

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081823\
 Data File : BP016638.D
 Acq On : 18 Aug 2023 12:24
 Operator : MA/JU
 Sample : 03970-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A48H5MSD

Quant Time: Aug 18 22:30:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 17 01:38:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	355916	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	1629000	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.704	164	1010793	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.475	188	2196275	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	1988635	20.000	ng/u1	0.00
88) Perylene-d12	24.157	264	2000970	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	44587	4.760	ng/uL	0.00
4) Pyridine-d5	3.834	84	79309	2.783	ng/u1	0.00
7) Phenol-d5	7.193	99	707238	21.554	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.387	67	449978	20.821	ng/u1	0.00
11) 2-Chlorophenol-d4	7.569	132	509725	21.628	ng/u1	0.00
15) 4-Methylphenol-d8	8.758	113	559577	21.447	ng/u1	0.00
21) Nitrobenzene-d5	9.246	128	266545	23.254	ng/u1	0.00
24) 2-Nitrophenol-d4	9.963	143	279330	25.658	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	523102	24.416	ng/u1	0.00
31) 4-Chloroaniline-d4	11.040	131	719329	19.569	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	1679863	22.977	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	1905722	23.094	ng/u1	0.00
54) 4-Nitrophenol-d4	14.904	143	318490	21.384	ng/u1	0.00
60) Fluorene-d10	15.698	176	1418577	22.760	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	243832	23.337	ng/u1	0.00
73) Anthracene-d10	17.575	188	2216709	23.334	ng/u1	0.00
81) Pyrene-d10	19.804	212	2618542	25.130	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	2328689	24.284	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.434	88	98826	9.596	ng/uL	98
5) Pyridine	3.858	79	93421	3.160	ng/u1	95
6) Benzaldehyde	7.205	77	512082	28.311	ng/u1	98
8) Phenol	7.217	94	873428	24.905	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.481	93	691338	24.404	ng/u1	99
12) 2-Chlorophenol	7.605	128	618708	24.950	ng/u1	98
13) 2-Methylphenol	8.487	108	634808	24.920	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.569	45	532576	13.489	ng/u1	98
16) Acetophenone	8.899	105	1191393	28.277	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.869	70	605817	26.810	ng/u1	99
18) 4-Methylphenol	8.822	108	724962	25.894	ng/u1	99
19) Hexachloroethane	9.128	117	257821	24.886	ng/u1	99
22) Nitrobenzene	9.293	77	841237	26.217	ng/u1	99
23) Isophorone	9.805	82	1709794	28.212	ng/u1	99
25) 2-Nitrophenol	9.999	139	363456	29.204	ng/u1	97
26) 2,4-Dimethylphenol	10.034	107	668115	22.771	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.293	93	1019413	26.240	ng/u1	100
29) 2,4-Dichlorophenol	10.516	162	606265	27.504	ng/u1	98
30) Naphthalene	10.934	128	2137063	25.109	ng/u1	100
32) 4-Chloroaniline	11.063	127	841631	23.116	ng/u1	99
33) Hexachlorobutadiene	11.169	225	338625	25.484	ng/u1	99
34) Caprolactam	11.875	113	235768	27.493	ng/u1	97
35) 4-Chloro-3-methylphenol	12.157	107	780441	28.966	ng/u1	98
36) 2-Methylnaphthalene	12.534	142	1452031	25.469	ng/u1	100

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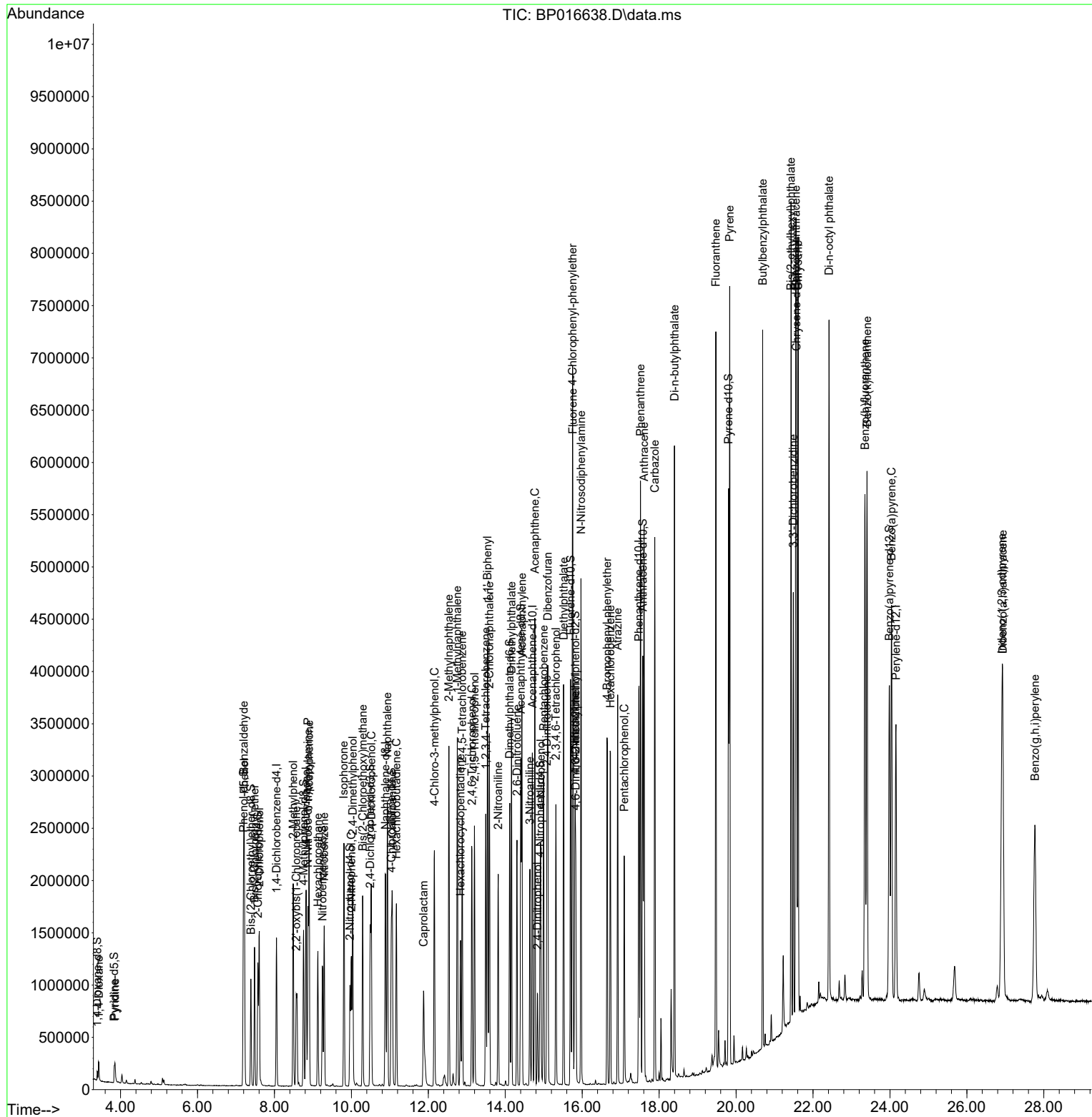
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.752	142	1458362	25.405	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.881	216	702459	25.982	ng/ul	98
40) Hexachlorocyclopentadiene	12.834	237	335334	20.385	ng/ul	98
41) 2,4,6-Trichlorophenol	13.134	196	489103	29.068	ng/ul	98
42) 2,4,5-Trichlorophenol	13.199	196	550113	30.162	ng/ul	99
43) 1,1'-Biphenyl	13.540	154	1953648	26.002	ng/ul	99
44) 2-Chloronaphthalene	13.587	162	1510757	25.844	ng/ul	100
45) 2-Nitroaniline	13.816	65	540865	30.600	ng/ul	94
47) Dimethylphthalate	14.163	163	2021629	27.045	ng/ul	99
48) 2,6-Dinitrotoluene	14.304	165	412577	31.865	ng/ul	97
50) Acenaphthylene	14.434	152	2433929	25.045	ng/ul	100
51) 3-Nitroaniline	14.640	138	438354	30.195	ng/ul	95
52) Acenaphthene	14.769	153	1679866	25.823	ng/ul	97
53) 2,4-Dinitrophenol	14.840	184	158690	22.016	ng/ul	93
55) 4-Nitrophenol	14.922	109	322509	26.636	ng/ul	98
56) Dibenzofuran	15.104	168	2302941	25.946	ng/ul	100
57) 2,4-Dinitrotoluene	15.081	165	601969	31.048	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.316	232	451481	29.545	ng/ul	98
59) Diethylphthalate	15.516	149	2093425	27.391	ng/ul	99
61) Fluorene	15.757	166	1910786	26.255	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.745	204	890031	26.052	ng/ul	97
63) 4-Nitroaniline	15.810	138	451952	32.531	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.834	198	311013	26.846	ng/ul	98
67) N-Nitrosodiphenylamine	15.969	169	1650106	27.717	ng/ul	99
68) 4-Bromophenyl-phenylether	16.651	248	547763	27.933	ng/ul	96
69) Hexachlorobenzene	16.734	284	624485	27.255	ng/ul	98
70) Atrazine	16.922	200	570265	26.625	ng/ul	99
71) Pentachlorophenol	17.092	266	329638	23.367	ng/ul	98
72) Phenanthrene	17.516	178	3139589	27.133	ng/ul	100
74) Anthracene	17.610	178	3082444	26.522	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.493	216	696546	24.956	ng/ul	97
76) Pentachlorobenzene	14.998	250	692900	27.668	ng/ul	99
77) Carbazole	17.887	167	3000133	28.011	ng/ul	99
78) Di-n-butylphthalate	18.398	149	3836932	30.947	ng/ul	99
80) Fluoranthene	19.475	202	3763049	30.258	ng/ul	99
82) Pyrene	19.834	202	3862137	29.409	ng/ul	98
83) Butylbenzylphthalate	20.692	149	1818977	34.383	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.486	252	1113028	25.703	ng/ul	100
85) Benzo(a)anthracene	21.557	228	3650464	27.314	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.428	149	2675348	34.845	ng/ul	99
87) Chrysene	21.610	228	3477405	27.805	ng/ul	99
89) Di-n-octyl phthalate	22.416	149	4494914	36.001	ng/ul	100
90) Benzo(b)fluoranthene	23.351	252	3519141	29.537	ng/ul	99
91) Benzo(k)fluoranthene	23.404	252	3484751	29.483	ng/ul	99
93) Benzo(a)pyrene	24.039	252	2944868	26.202	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.910	276	3071831	23.158	ng/ul	99
95) Dibenzo(a,h)anthracene	26.933	278	2561730	23.206	ng/ul	99
96) Benzo(g,h,i)perylene	27.768	276	2360243	22.357	ng/ul	99

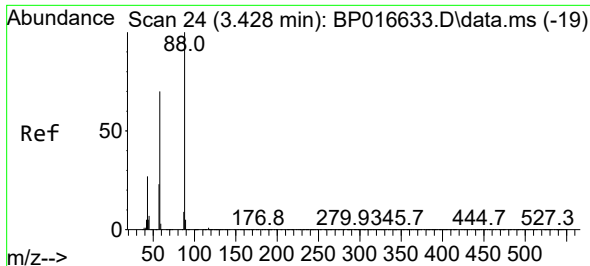
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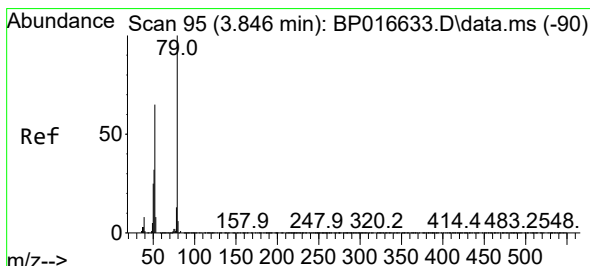
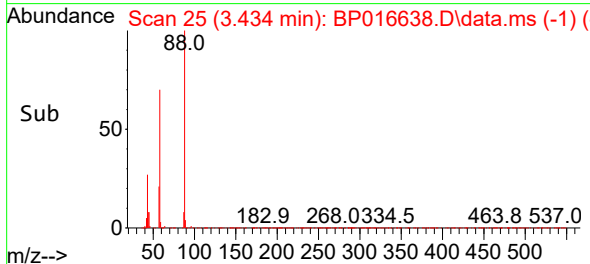
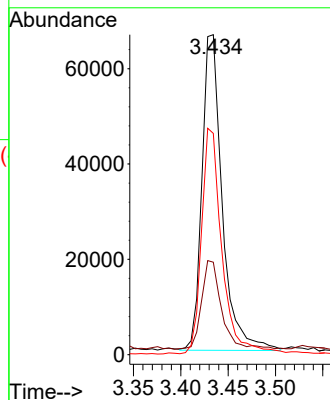
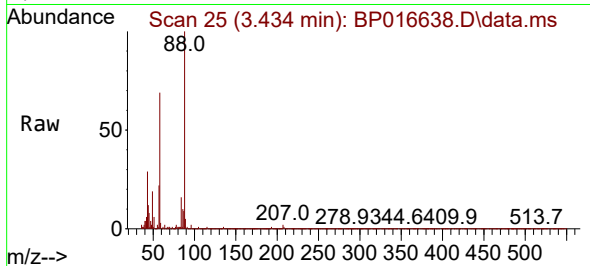




#2
1,4-Dioxane
Concen: 9.596 ng/uL
RT: 3.434 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP016638.D
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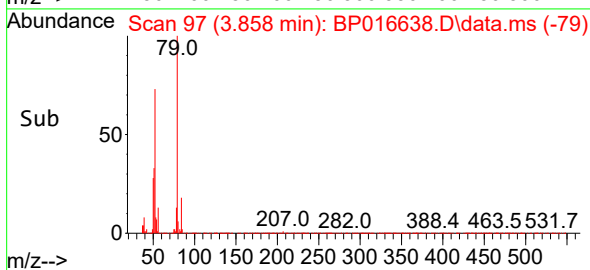
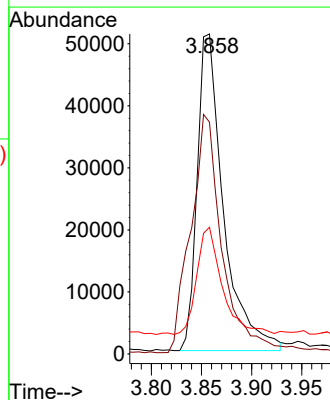
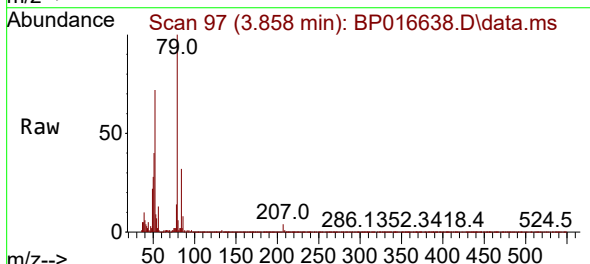
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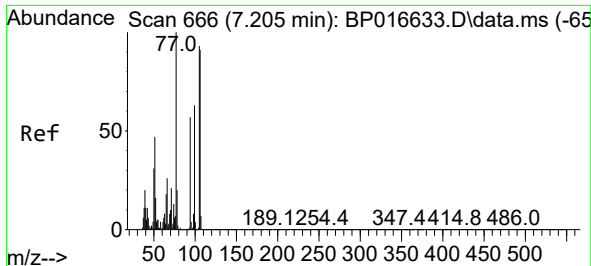
Tgt Ion: 88 Resp: 98826
Ion Ratio Lower Upper
88 100
43 28.9 23.5 35.3
58 69.2 57.1 85.7



#5
Pyridine
Concen: 3.160 ng/uL
RT: 3.858 min Scan# 97
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion: 79 Resp: 93421
Ion Ratio Lower Upper
79 100
52 72.4 56.6 84.8
51 39.6 26.9 40.3

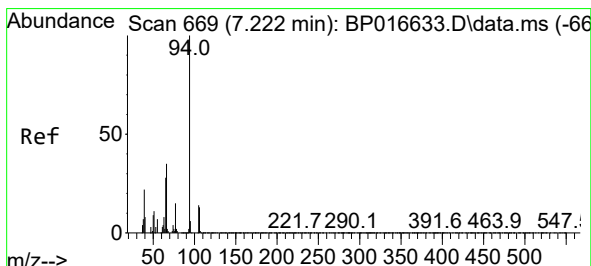
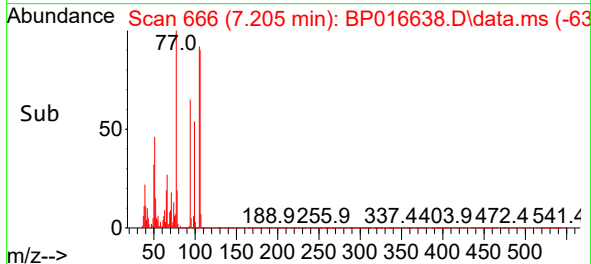
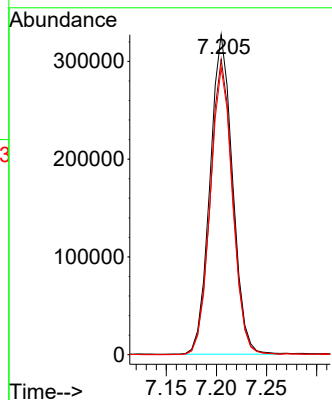
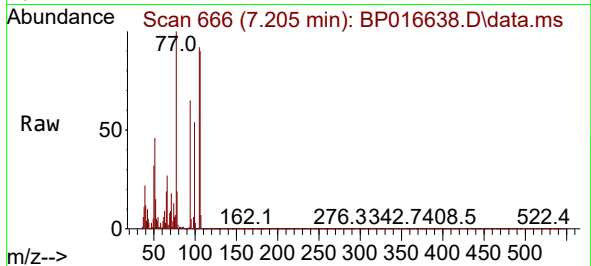




#6
Benzaldehyde
Concen: 28.311 ng/ul
RT: 7.205 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

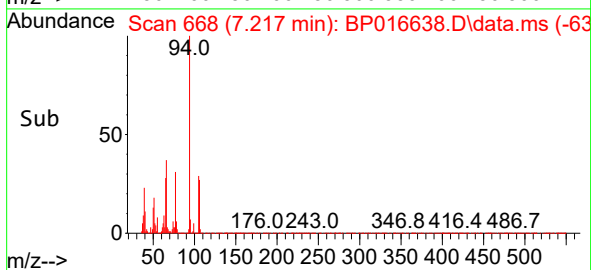
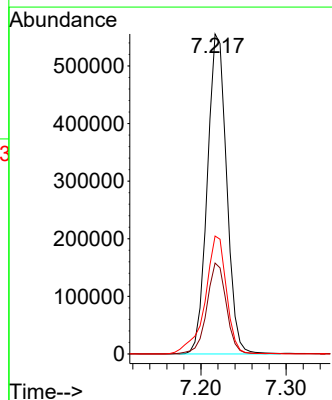
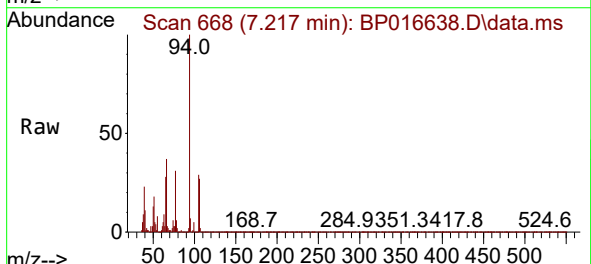
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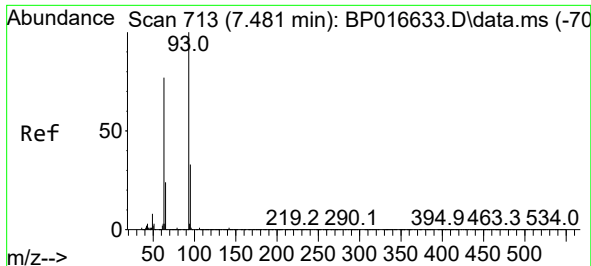
Tgt Ion: 77 Resp: 512082
Ion Ratio Lower Upper
77 100
105 92.3 71.8 107.6
106 89.6 70.2 105.2



#8
Phenol
Concen: 24.905 ng/ul
RT: 7.217 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion: 94 Resp: 873428
Ion Ratio Lower Upper
94 100
65 28.4 22.3 33.5
66 36.9 28.7 43.1

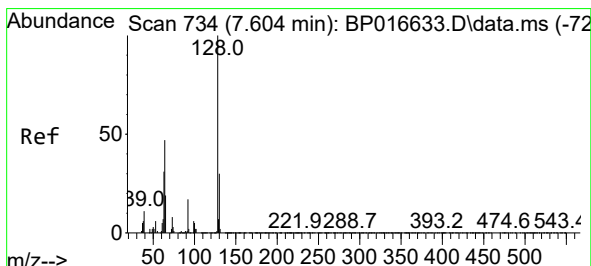
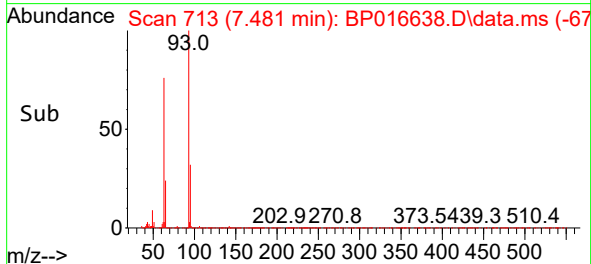
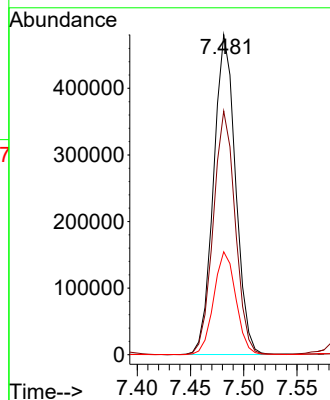
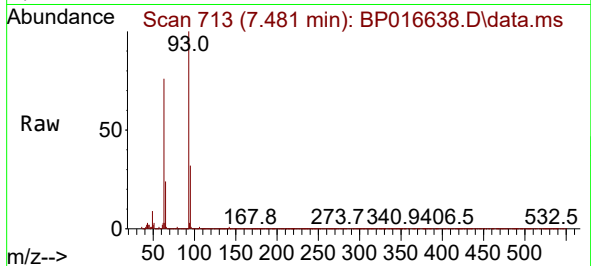




#10
Bis(2-Chloroethyl)ether
Concen: 24.404 ng/ul
RT: 7.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

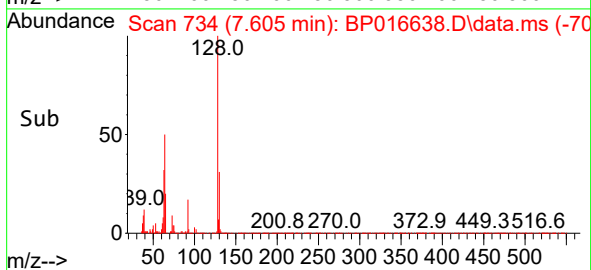
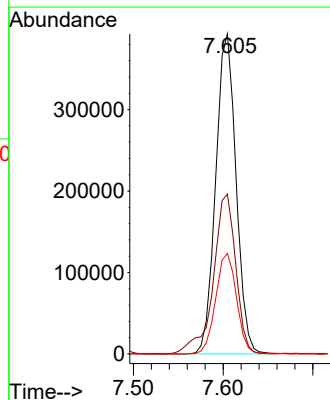
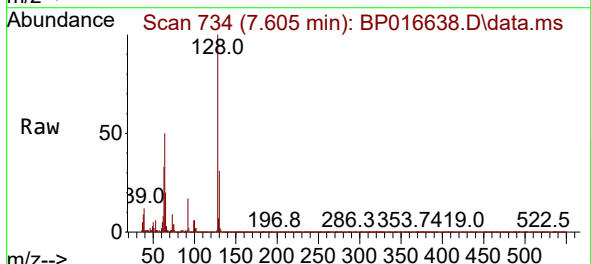
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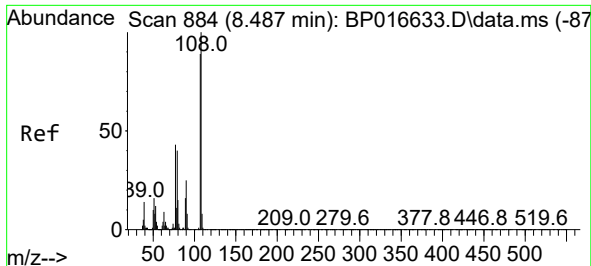
Tgt Ion: 93 Resp: 691338
Ion Ratio Lower Upper
93 100
63 76.1 60.1 90.1
95 32.2 25.4 38.2



#12
2-Chlorophenol
Concen: 24.950 ng/ul
RT: 7.605 min Scan# 734
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:128 Resp: 618708
Ion Ratio Lower Upper
128 100
64 50.0 41.4 62.0
130 31.4 26.0 39.0





#13

2-Methylphenol

Concen: 24.920 ng/ul

RT: 8.487 min Scan# 884

Delta R.T. 0.000 min

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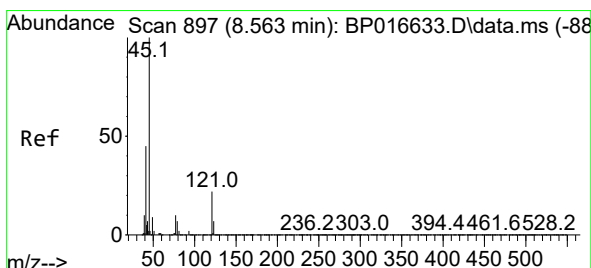
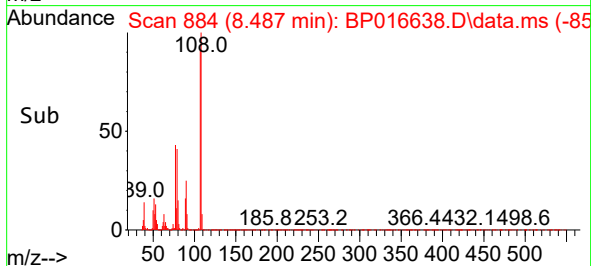
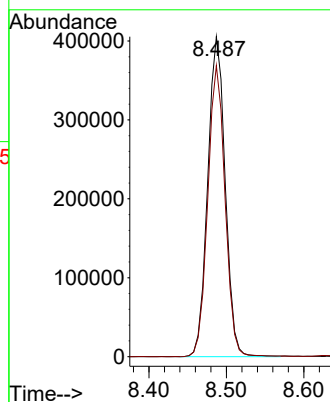
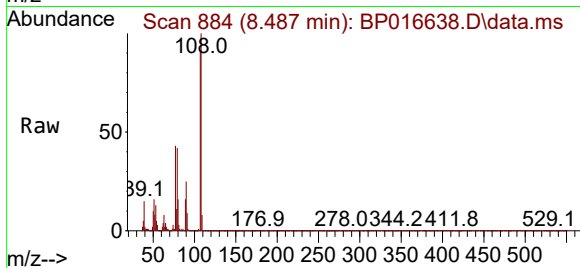
A48H5MSD

Tgt Ion:108 Resp: 634808

Ion Ratio Lower Upper

108 100

107 90.9 70.5 105.7



#14

2,2'-oxybis(1-Chloropropane)

Concen: 13.489 ng/ul

RT: 8.569 min Scan# 898

Delta R.T. 0.000 min

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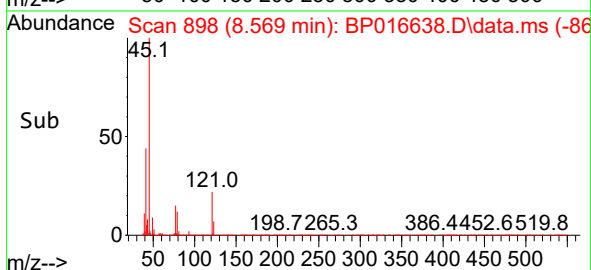
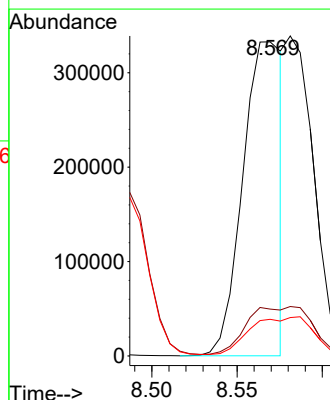
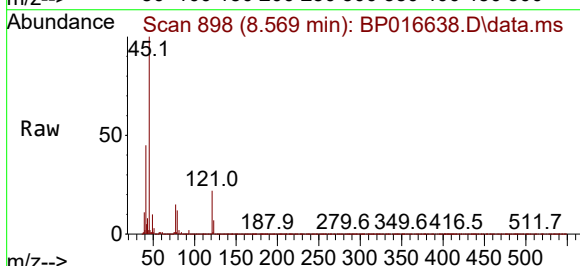
Tgt Ion: 45 Resp: 532576

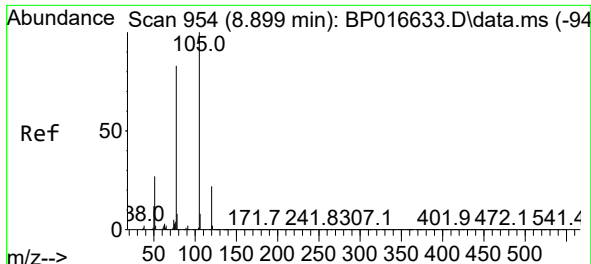
Ion Ratio Lower Upper

45 100

77 14.9 12.1 18.1

79 11.7 8.2 12.4

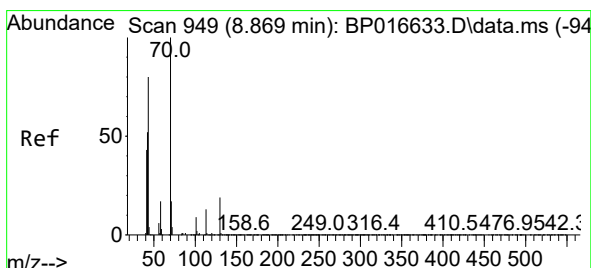
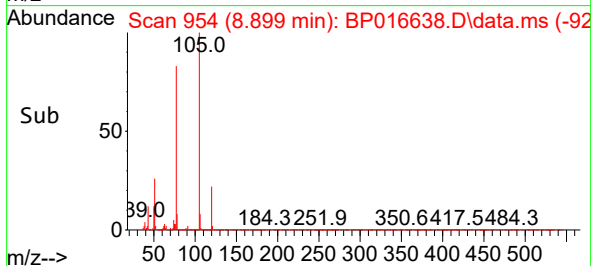
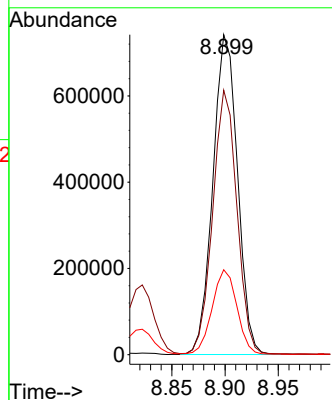
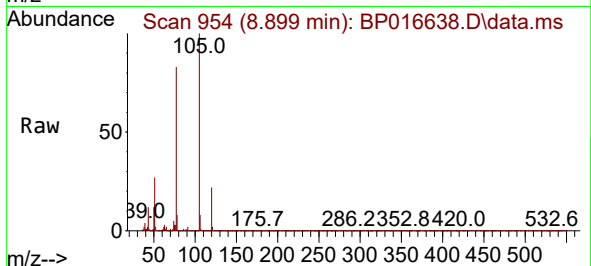




#16
Acetophenone
Concen: 28.277 ng/ul
RT: 8.899 min Scan# 911
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

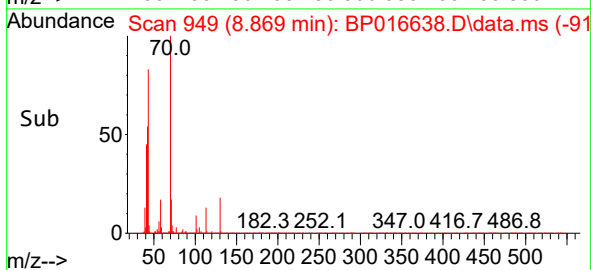
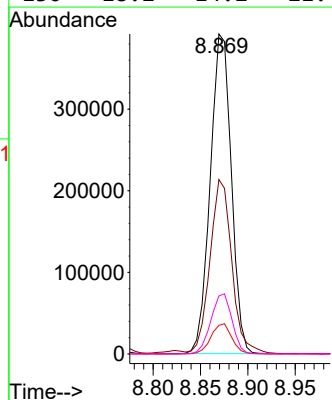
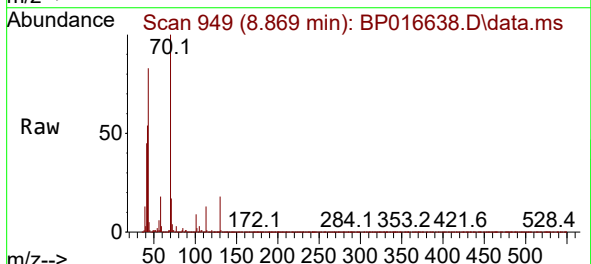
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

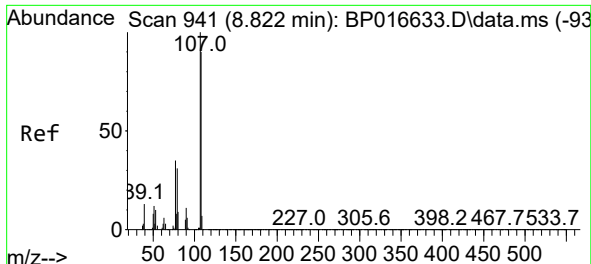
Tgt Ion:105 Resp: 1191393
Ion Ratio Lower Upper
105 100
77 82.6 64.4 96.6
51 26.5 21.2 31.8



#17
N-Nitroso-di-n-propylamine
Concen: 26.810 ng/ul
RT: 8.869 min Scan# 949
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion: 70 Resp: 605817
Ion Ratio Lower Upper
70 100
42 54.5 43.0 64.4
101 9.0 6.8 10.2
130 18.2 14.2 21.4

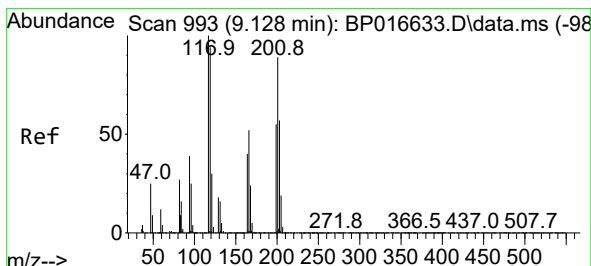
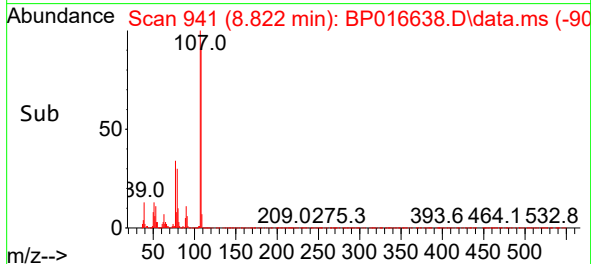
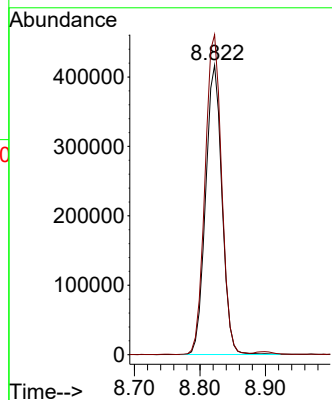
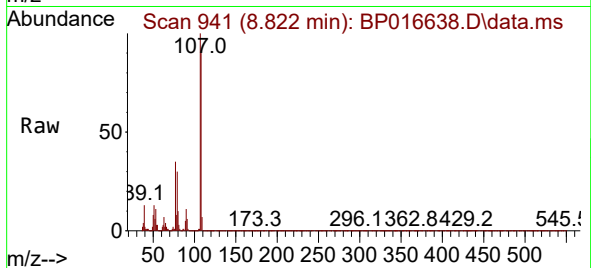




#18
4-Methylphenol
Concen: 25.894 ng/ul
RT: 8.822 min Scan# 941
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

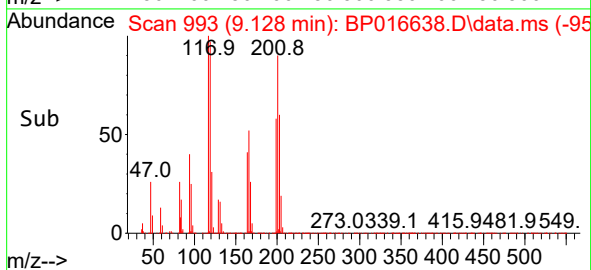
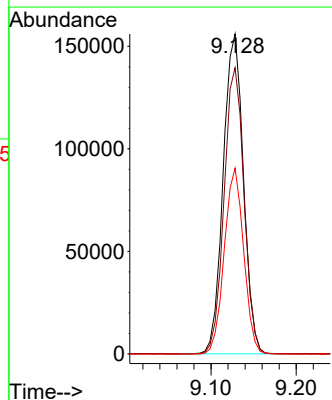
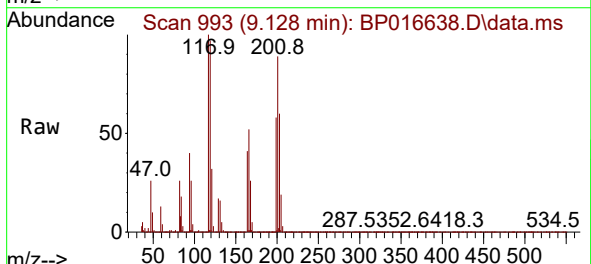
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

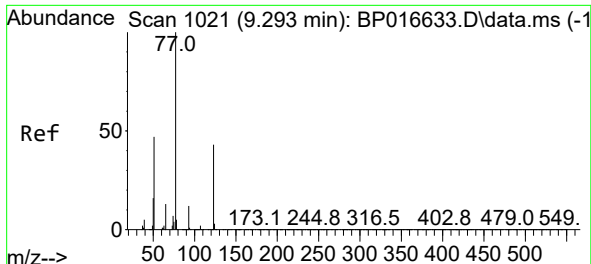
Tgt Ion:108 Resp: 724962
Ion Ratio Lower Upper
108 100
107 110.6 87.3 130.9



#19
Hexachloroethane
Concen: 24.886 ng/ul
RT: 9.128 min Scan# 993
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:117 Resp: 257821
Ion Ratio Lower Upper
117 100
201 89.5 71.8 107.6
199 58.1 45.2 67.8

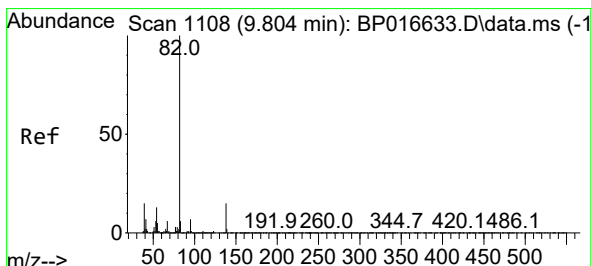
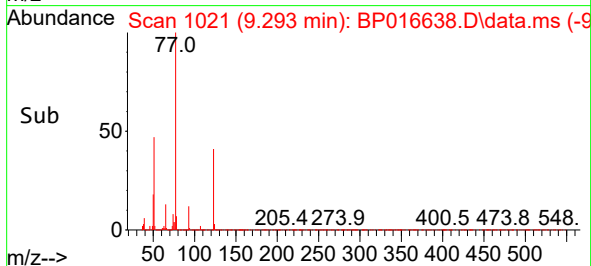
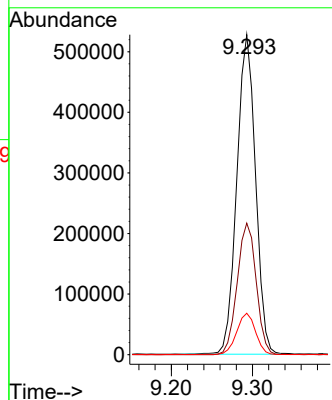
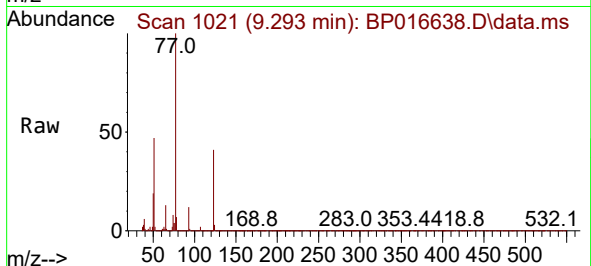




#22
Nitrobenzene
Concen: 26.217 ng/ul
RT: 9.293 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

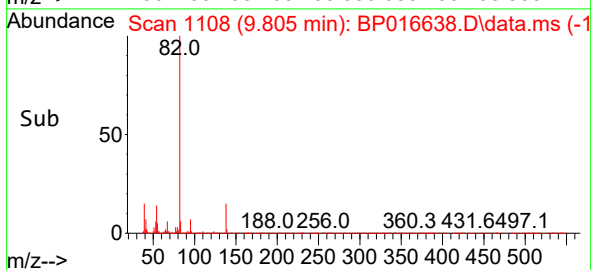
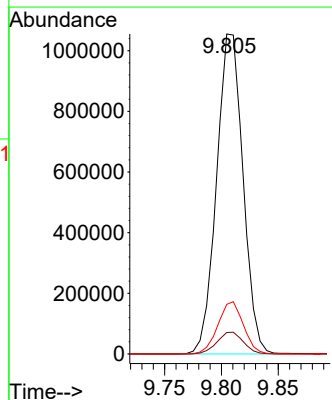
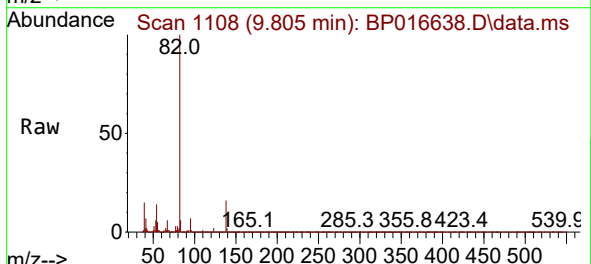
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

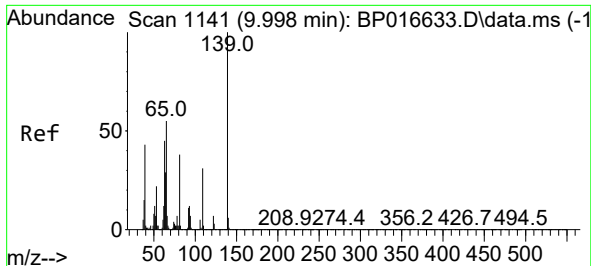
Tgt Ion: 77 Resp: 841237
Ion Ratio Lower Upper
77 100
123 41.1 32.5 48.7
65 12.9 10.3 15.5



#23
Isophorone
Concen: 28.212 ng/ul
RT: 9.805 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion: 82 Resp: 1709794
Ion Ratio Lower Upper
82 100
95 6.7 5.3 7.9
138 15.5 12.7 19.1

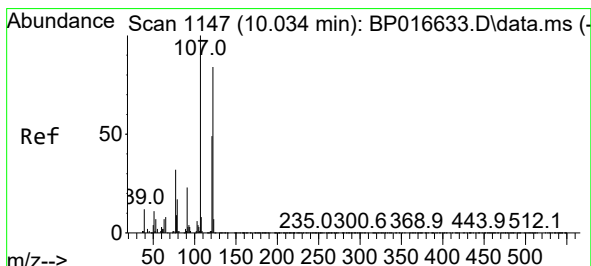
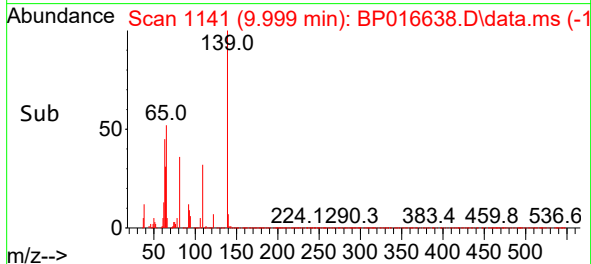
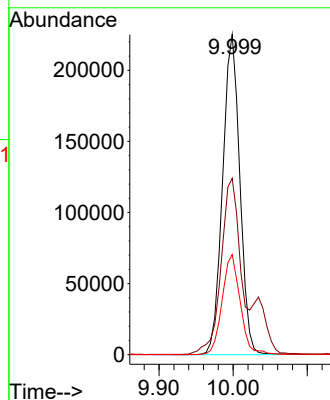
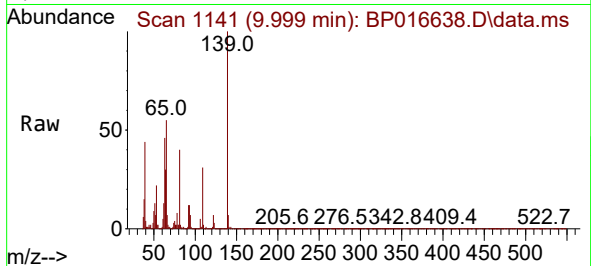




#25
2-Nitrophenol
Concen: 29.204 ng/ul
RT: 9.999 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

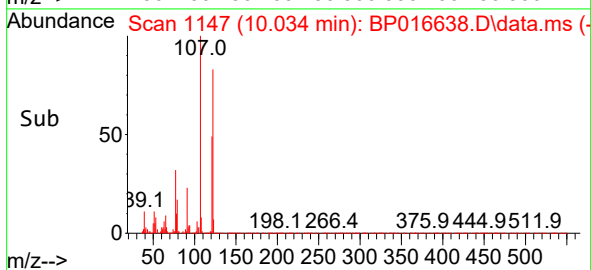
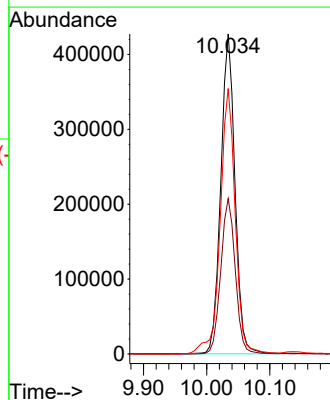
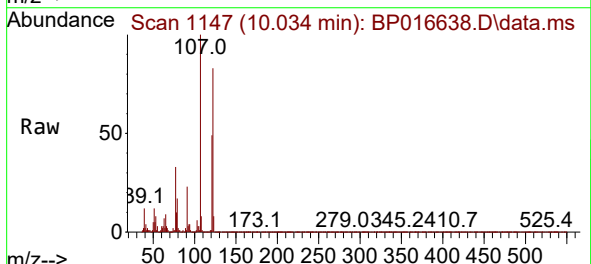
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

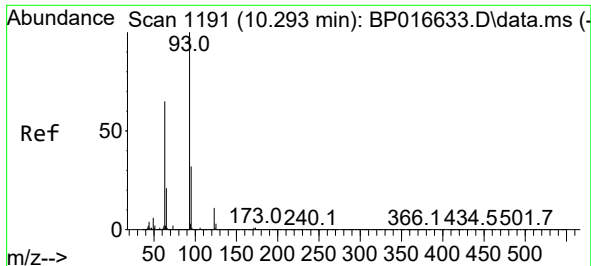
Tgt Ion:139 Resp: 363456
Ion Ratio Lower Upper
139 100
65 55.1 46.4 69.6
109 31.3 25.3 37.9



#26
2,4-Dimethylphenol
Concen: 22.771 ng/ul
RT: 10.034 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:107 Resp: 668115
Ion Ratio Lower Upper
107 100
121 48.6 39.1 58.7
122 83.0 66.9 100.3





#27

Bis(2-Chloroethoxy)methane

Concen: 26.240 ng/ul

RT: 10.293 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

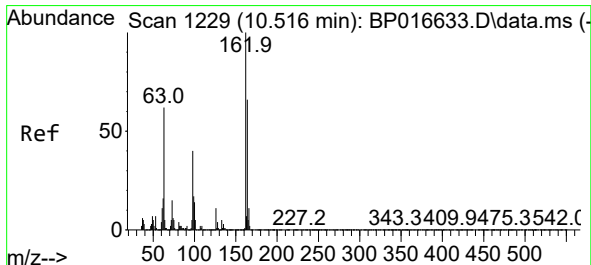
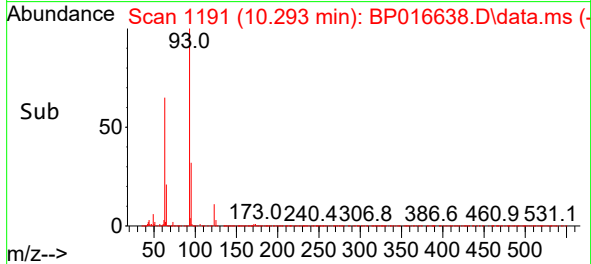
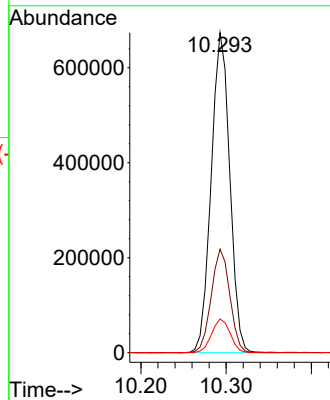
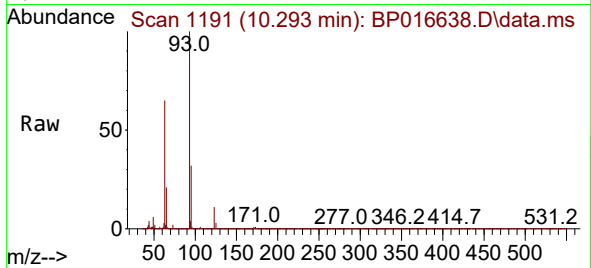
Tgt Ion: 93 Resp: 1019413

Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.8

123 10.6 8.7 13.1



#29

2,4-Dichlorophenol

Concen: 27.504 ng/ul

RT: 10.516 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

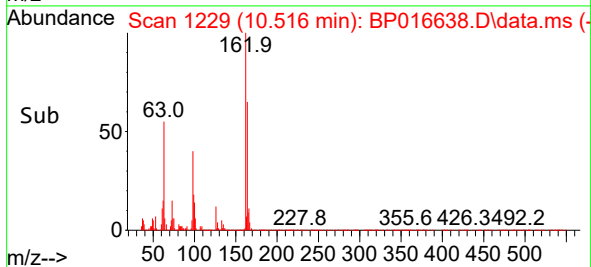
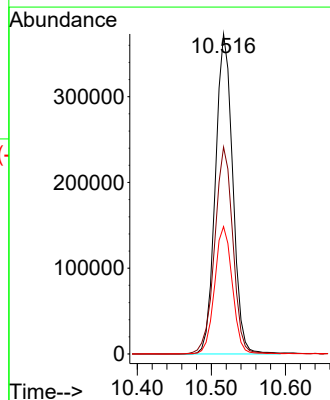
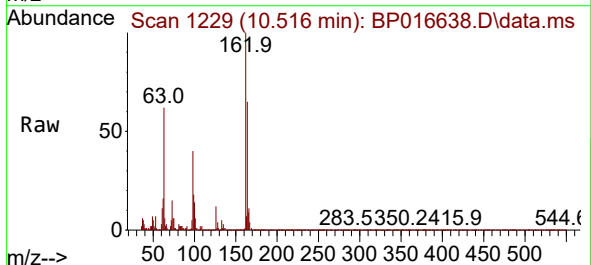
Tgt Ion:162 Resp: 606265

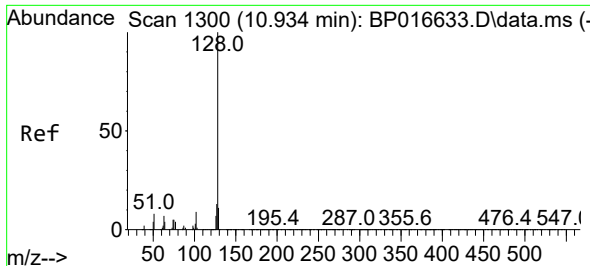
Ion Ratio Lower Upper

162 100

164 64.6 52.9 79.3

98 39.8 32.7 49.1

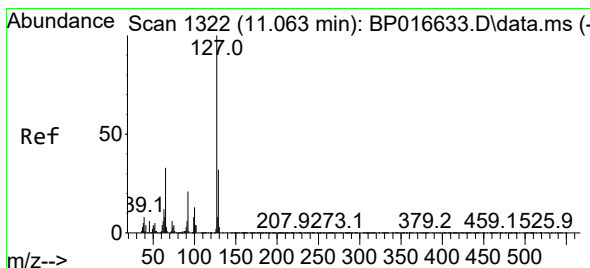
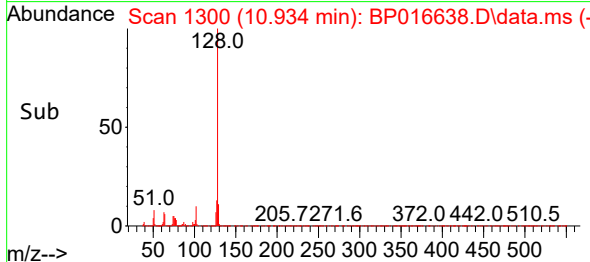
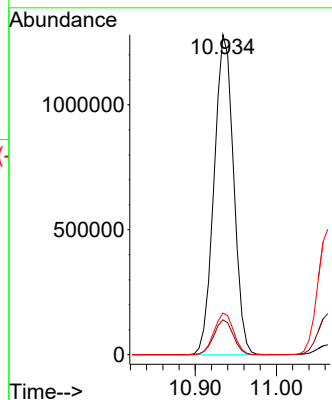
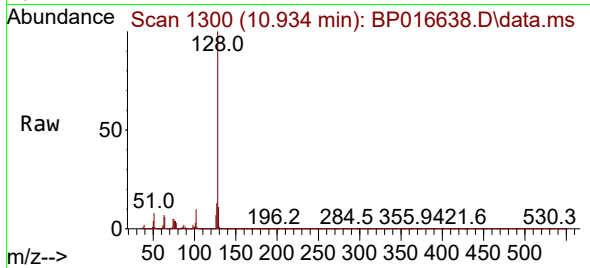




#30
Naphthalene
Concen: 25.109 ng/ul
RT: 10.934 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BP016633.D
Acq: 18 Aug 2023 12:24

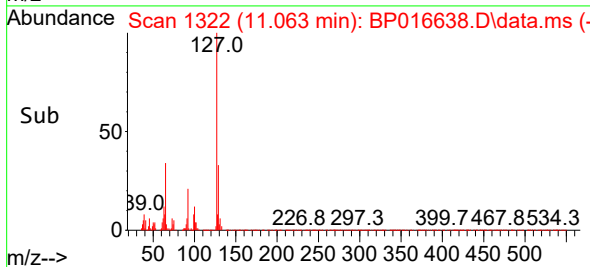
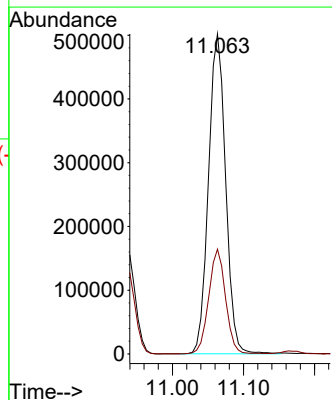
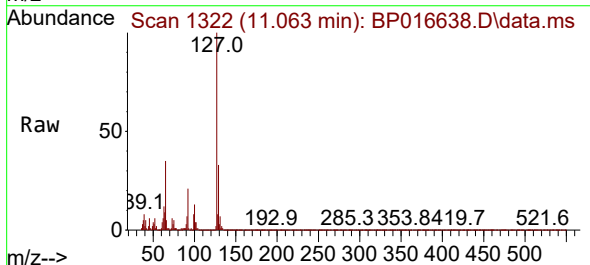
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

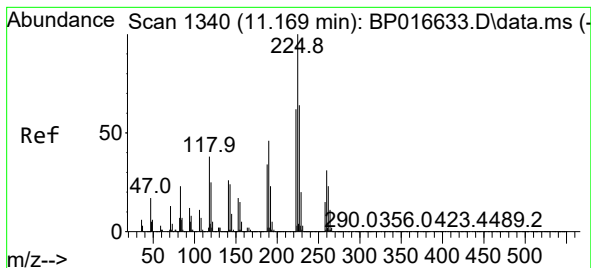
Tgt Ion:128 Resp: 2137063
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 10.3 15.5



#32
4-Chloroaniline
Concen: 23.116 ng/ul
RT: 11.063 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:127 Resp: 841631
Ion Ratio Lower Upper
127 100
129 32.8 25.6 38.4





#33

Hexachlorobutadiene

Concen: 25.484 ng/ul

RT: 11.169 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

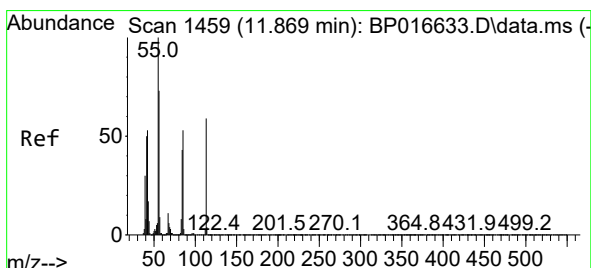
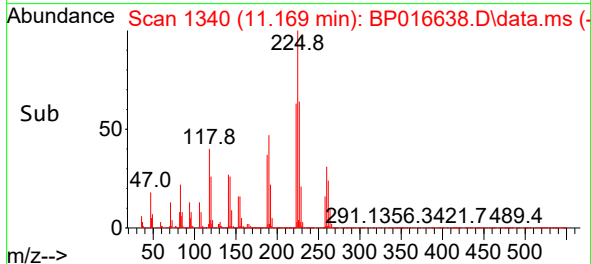
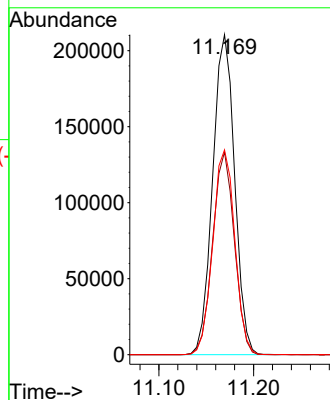
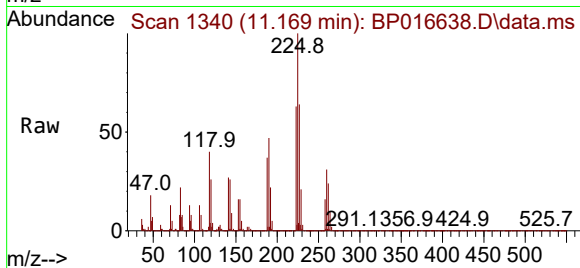
Tgt Ion:225 Resp: 338625

Ion Ratio Lower Upper

225 100

223 63.4 50.2 75.2

227 64.0 50.8 76.2



#34

Caprolactam

Concen: 27.493 ng/ul

RT: 11.875 min Scan# 1460

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

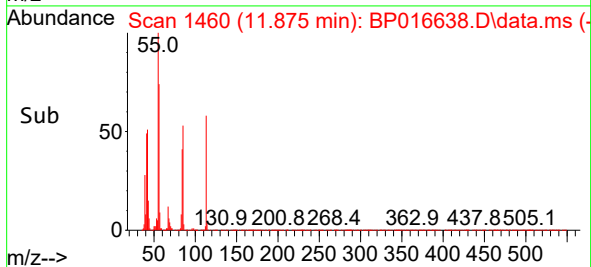
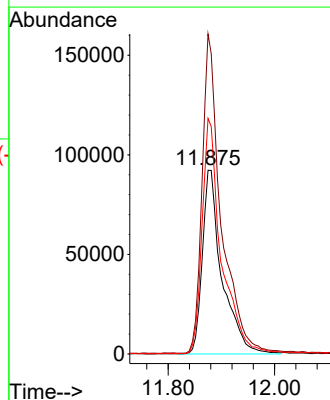
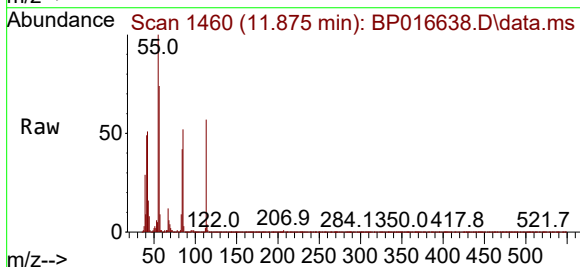
Tgt Ion:113 Resp: 235768

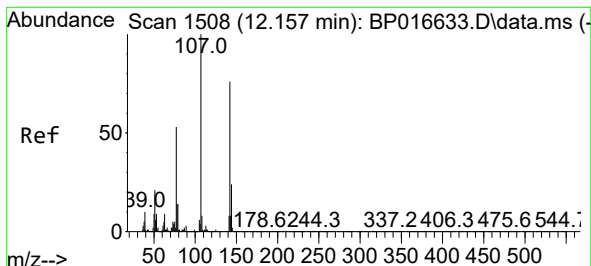
Ion Ratio Lower Upper

113 100

55 174.3 134.8 202.2

56 128.3 101.5 152.3

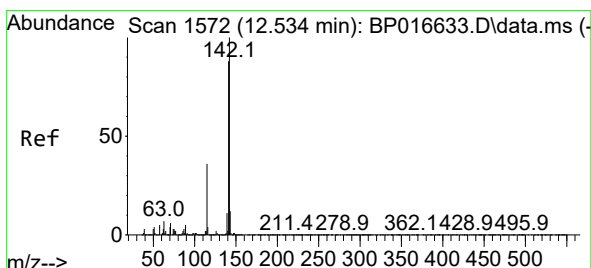
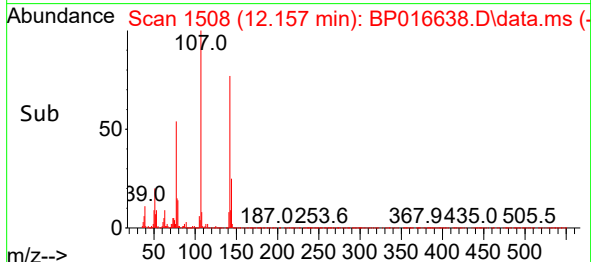
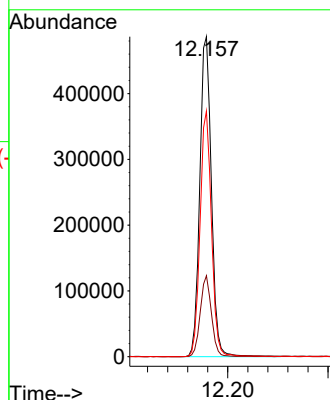
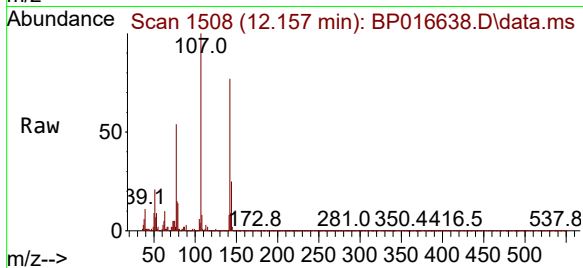




#35
4-Chloro-3-methylphenol
Concen: 28.966 ng/ul
RT: 12.157 min Scan# 1508
Delta R.T. 0.000 min
Lab File: BP016633.D
Acq: 18 Aug 2023 12:24

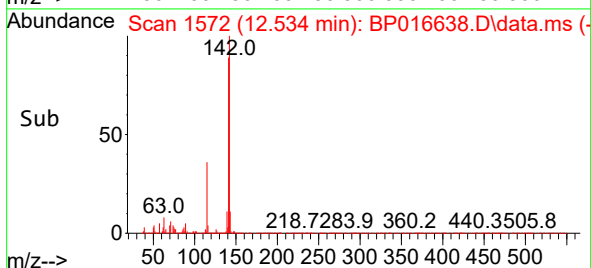
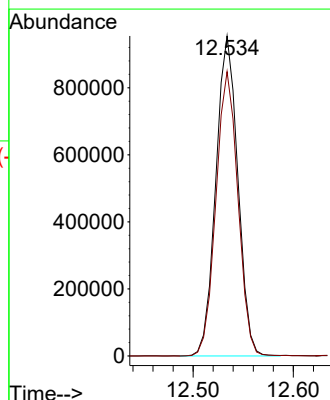
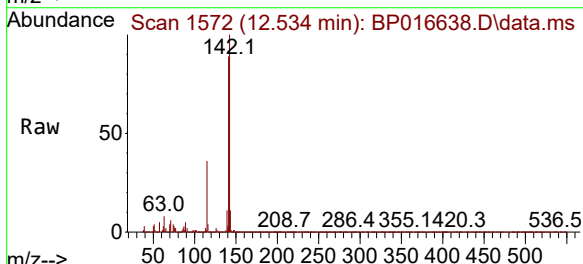
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

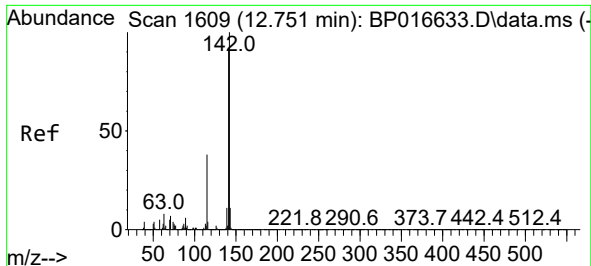
Tgt Ion:107 Resp: 780441
Ion Ratio Lower Upper
107 100
144 25.3 19.0 28.6
142 76.7 60.2 90.4



#36
2-Methylnaphthalene
Concen: 25.469 ng/ul
RT: 12.534 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:142 Resp: 1452031
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0

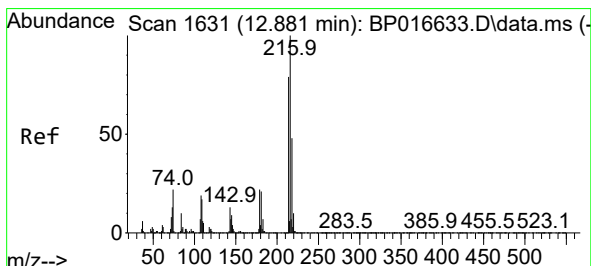
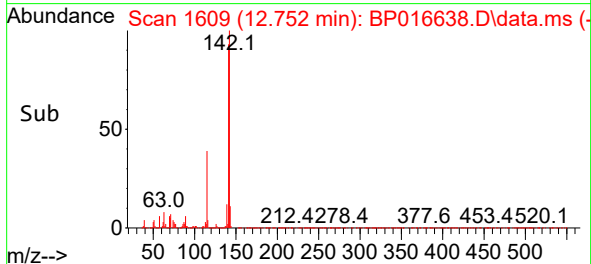
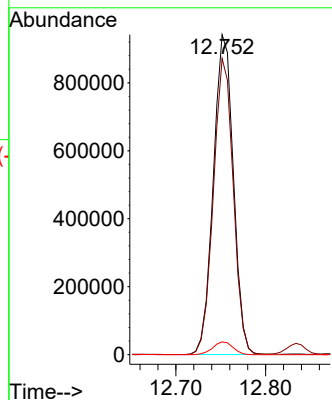
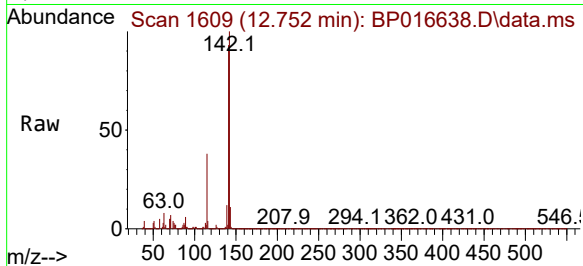




#37
1-Methylnaphthalene
Concen: 25.405 ng/ul
RT: 12.752 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

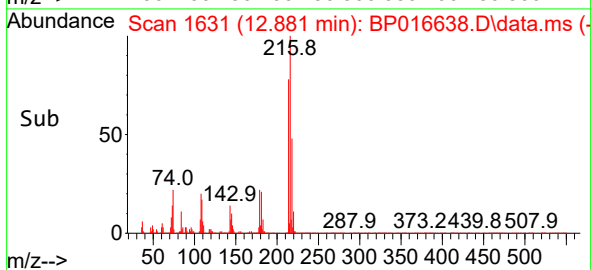
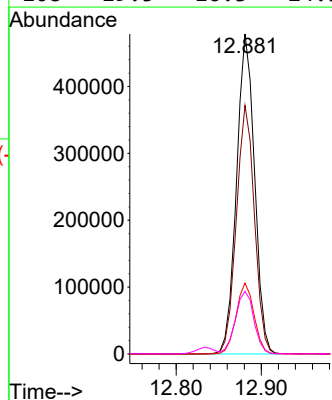
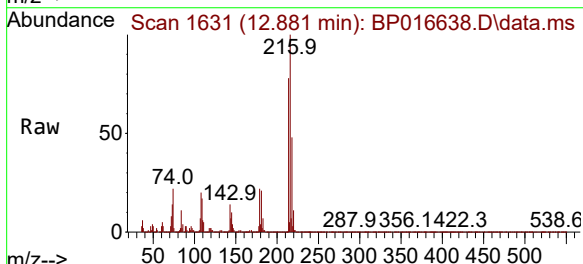
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

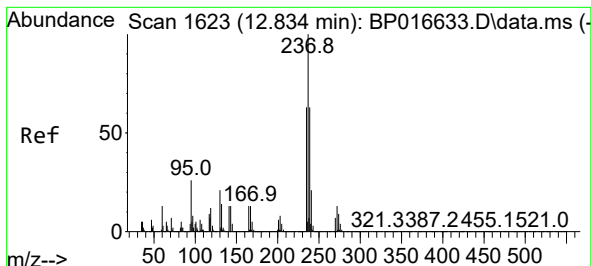
Tgt Ion:142 Resp: 1458362
Ion Ratio Lower Upper
142 100
141 92.5 74.5 111.7
116 4.0 3.0 4.4



#39
1,2,4,5-Tetrachlorobenzene
Concen: 25.982 ng/ul
RT: 12.881 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:216 Resp: 702459
Ion Ratio Lower Upper
216 100
214 77.7 63.8 95.6
179 22.1 17.9 26.9
108 19.5 16.3 24.5





#40

Hexachlorocyclopentadiene

Concen: 20.385 ng/ul

RT: 12.834 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

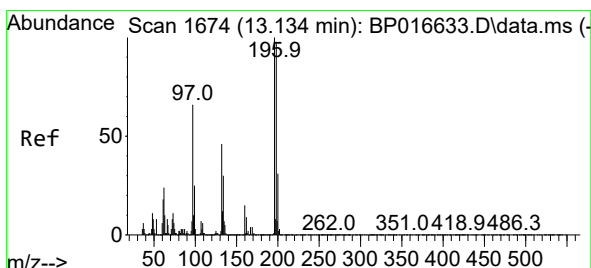
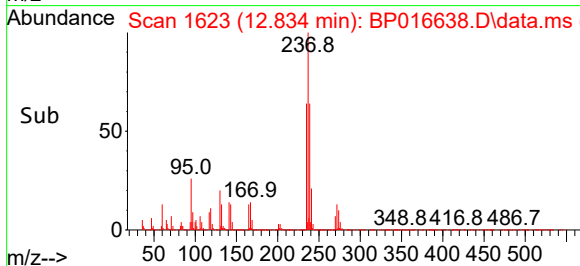
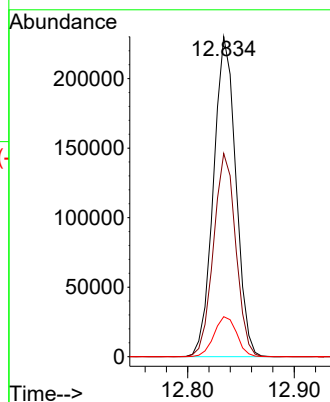
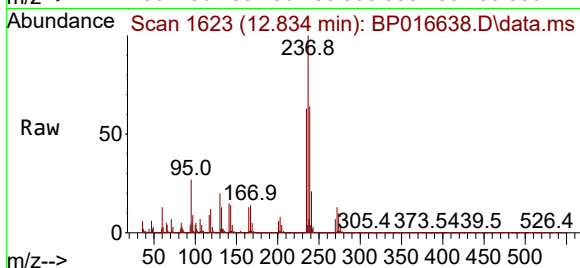
Tgt Ion:237 Resp: 335334

Ion Ratio Lower Upper

237 100

235 63.5 49.7 74.5

272 12.5 9.8 14.8



#41

2,4,6-Trichlorophenol

Concen: 29.068 ng/ul

RT: 13.134 min Scan# 1674

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

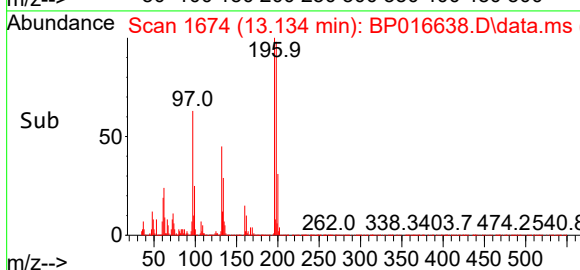
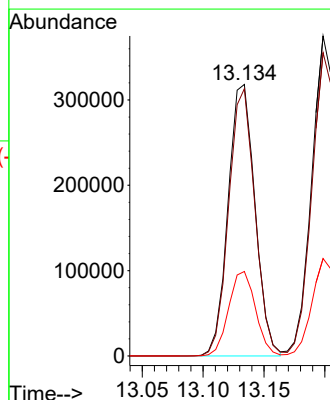
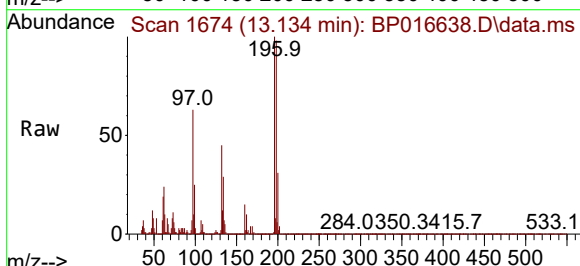
Tgt Ion:196 Resp: 489103

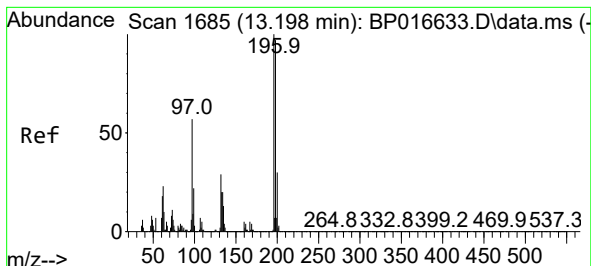
Ion Ratio Lower Upper

196 100

198 98.4 77.0 115.4

200 31.1 24.9 37.3





#42

2,4,5-Trichlorophenol

Concen: 30.162 ng/ul

RT: 13.199 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

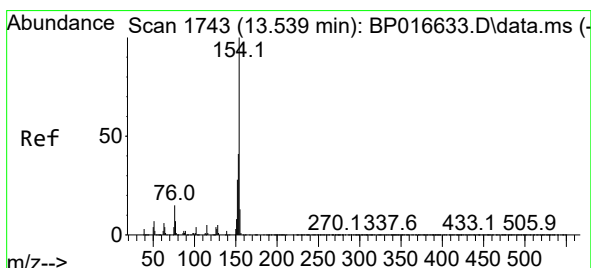
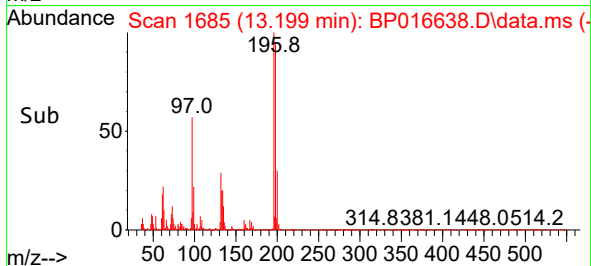
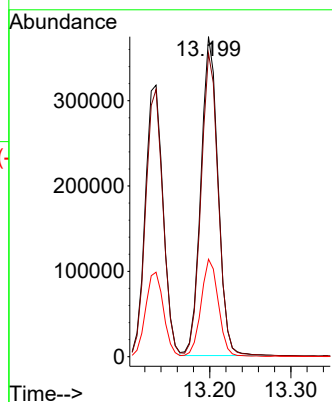
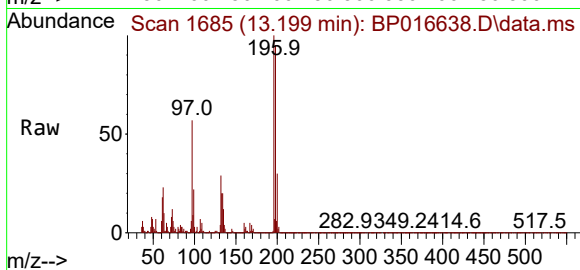
Tgt Ion:196 Resp: 550113

Ion Ratio Lower Upper

196 100

198 94.8 76.7 115.1

200 30.4 24.2 36.2



#43

1,1'-Biphenyl

Concen: 26.002 ng/ul

RT: 13.540 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

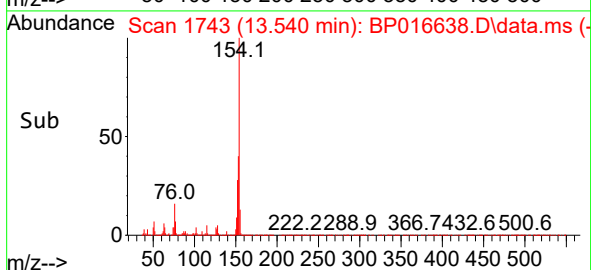
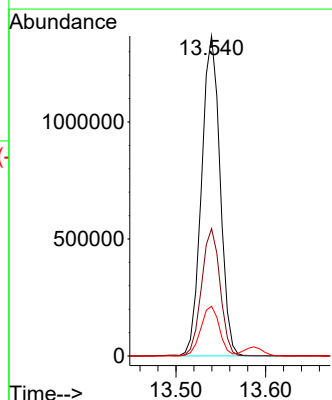
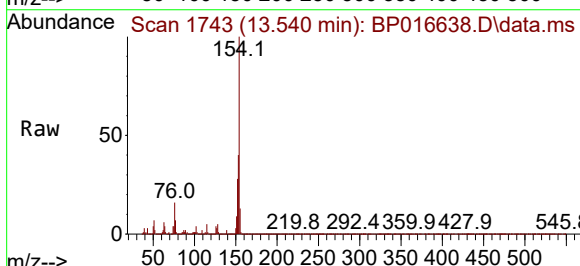
Tgt Ion:154 Resp: 1953648

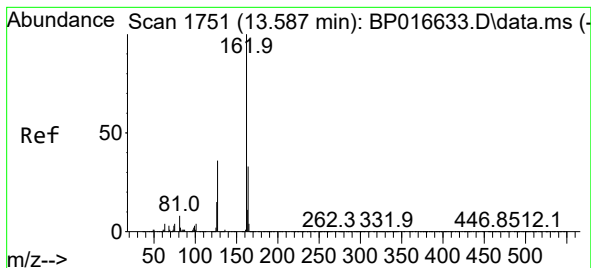
Ion Ratio Lower Upper

154 100

153 39.8 31.4 47.2

76 15.6 13.0 19.4

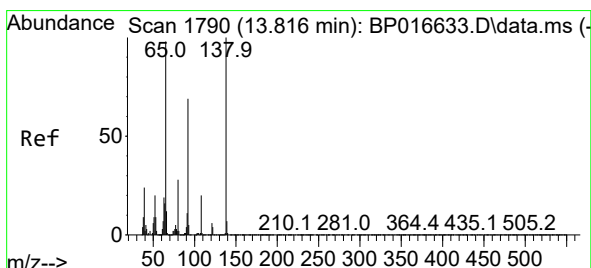
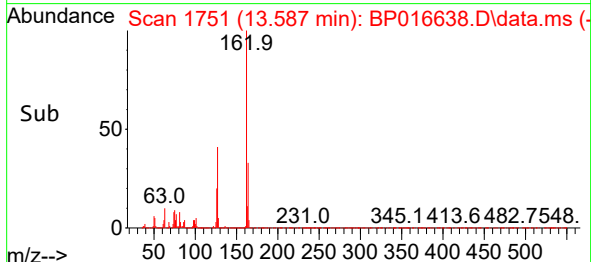
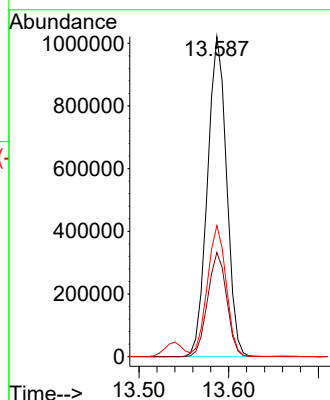
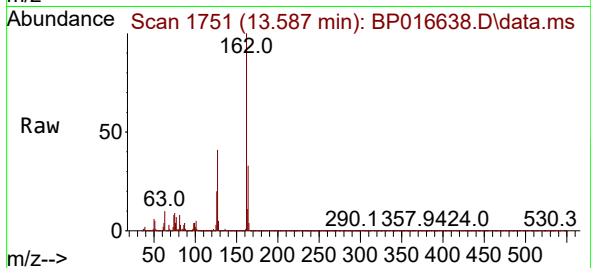




#44
2-Chloronaphthalene
Concen: 25.844 ng/ul
RT: 13.587 min Scan# 1751
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

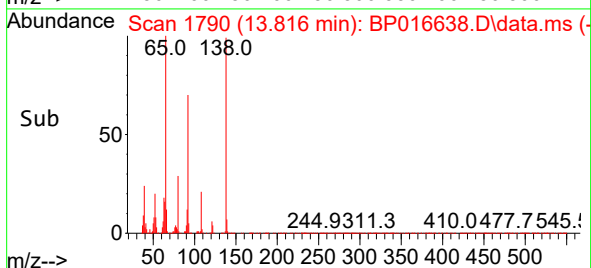
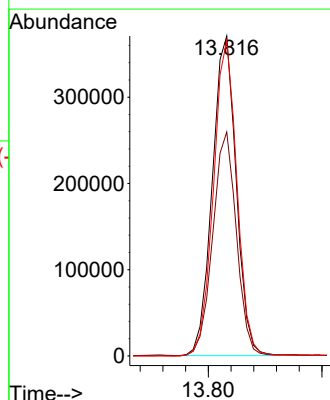
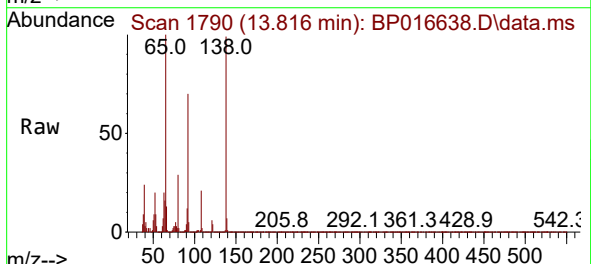
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

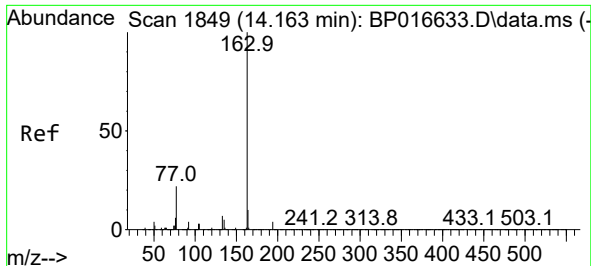
Tgt Ion:162 Resp: 1510757
Ion Ratio Lower Upper
162 100
164 32.6 25.8 38.6
127 41.0 32.9 49.3



#45
2-Nitroaniline
Concen: 30.600 ng/ul
RT: 13.816 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion: 65 Resp: 540865
Ion Ratio Lower Upper
65 100
92 70.0 54.5 81.7
138 98.7 72.1 108.1

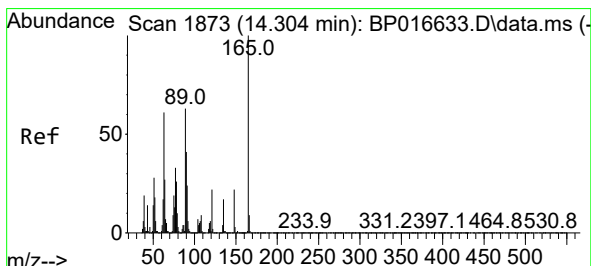
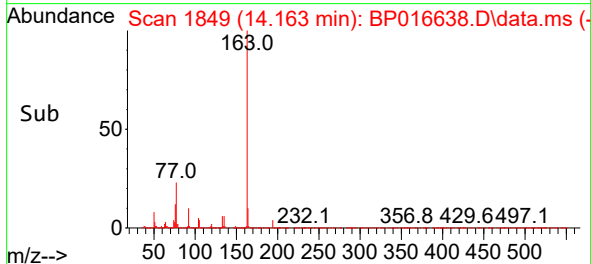
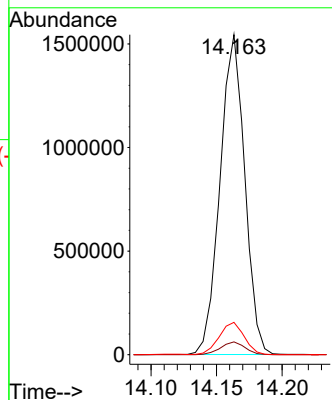
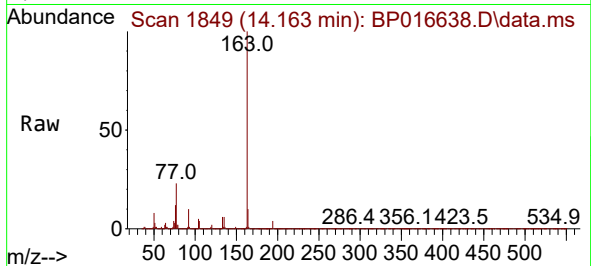




#47
Dimethylphthalate
Concen: 27.045 ng/ul
RT: 14.163 min Scan# 1849
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

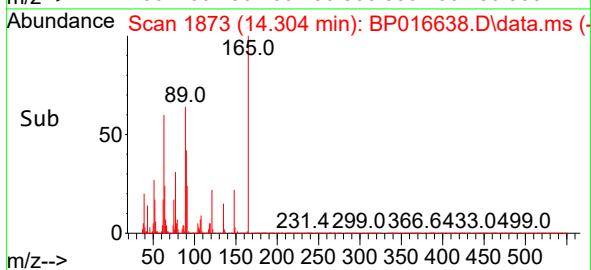
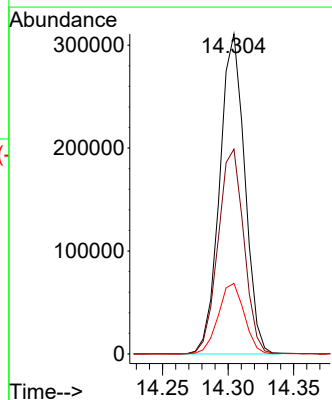
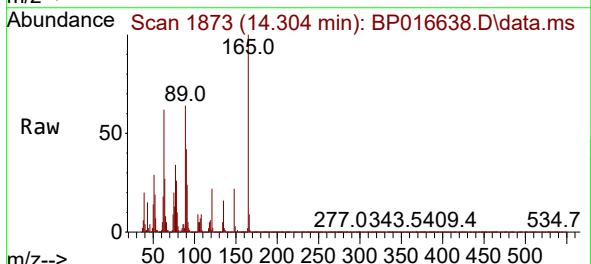
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

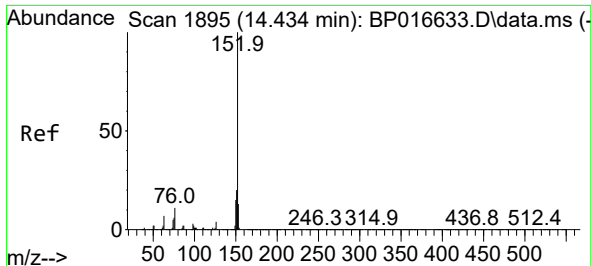
Tgt Ion:163 Resp: 2021629
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.1 7.8 11.8



#48
2,6-Dinitrotoluene
Concen: 31.865 ng/ul
RT: 14.304 min Scan# 1873
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:165 Resp: 412577
Ion Ratio Lower Upper
165 100
89 64.0 53.2 79.8
121 22.0 18.8 28.2

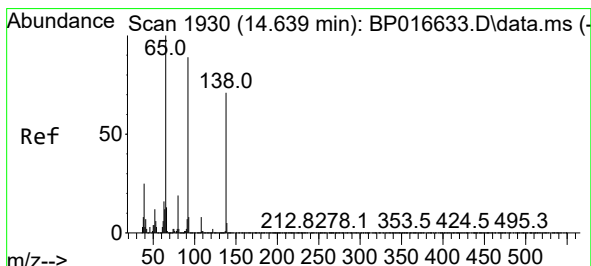
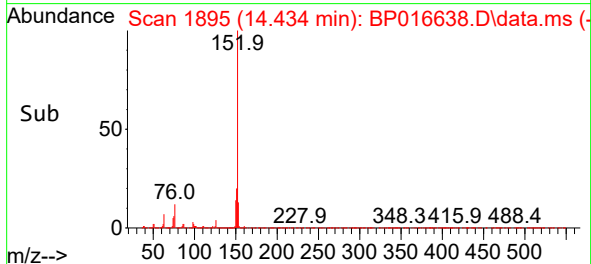
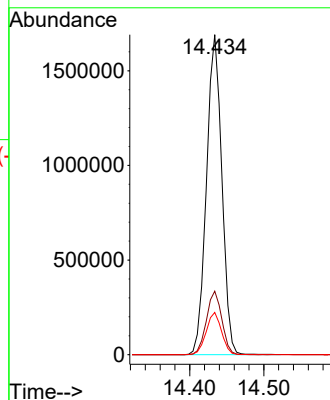
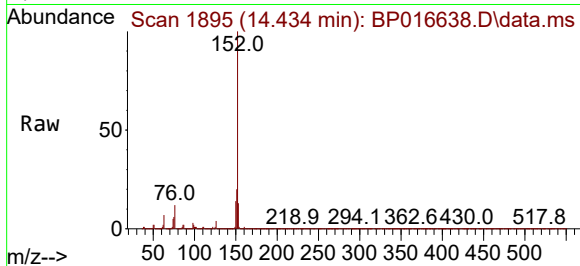




#50
Acenaphthylene
Concen: 25.045 ng/ul
RT: 14.434 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

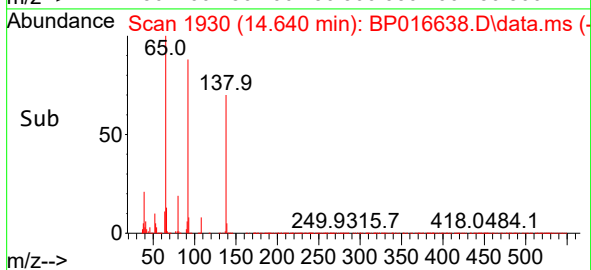
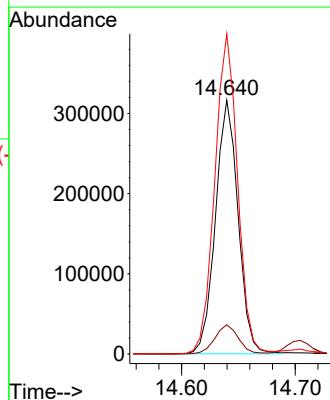
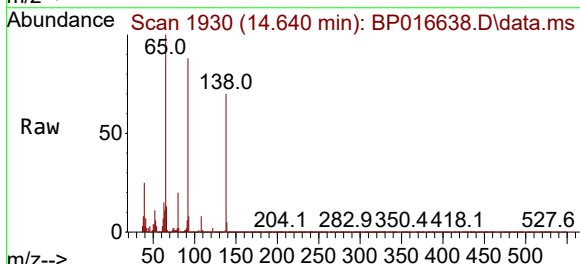
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

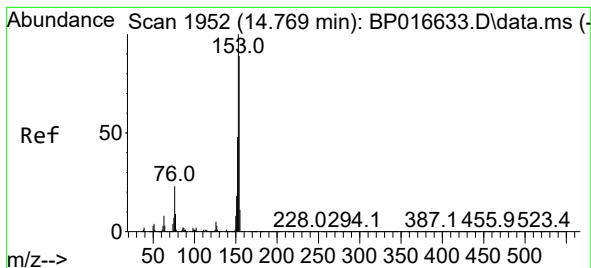
Tgt Ion:152 Resp: 2433929
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.2 10.6 15.8



#51
3-Nitroaniline
Concen: 30.195 ng/ul
RT: 14.640 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:138 Resp: 438354
Ion Ratio Lower Upper
138 100
108 11.5 10.9 16.3
92 126.1 105.0 157.6

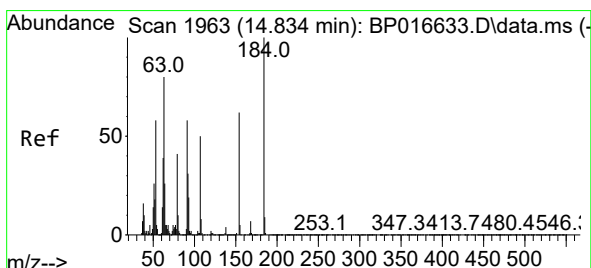
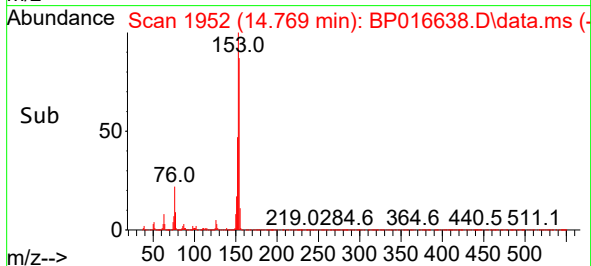
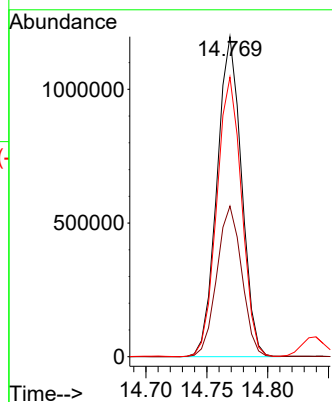
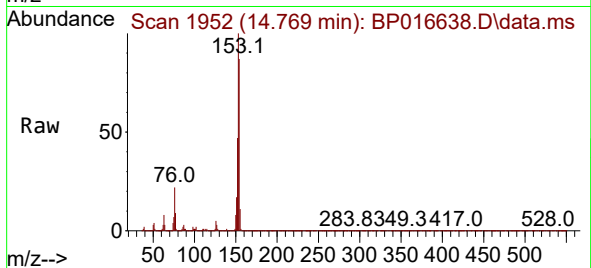




#52
Acenaphthene
Concen: 25.823 ng/ul
RT: 14.769 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

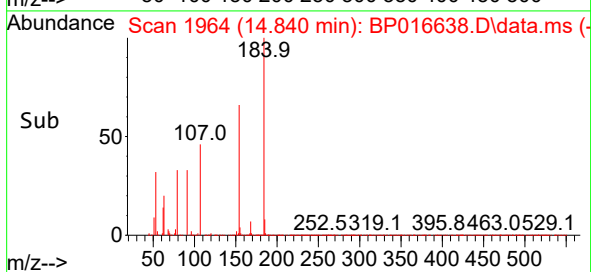
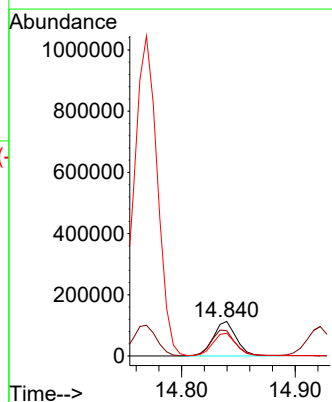
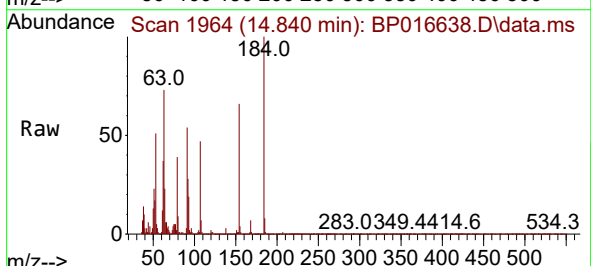
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

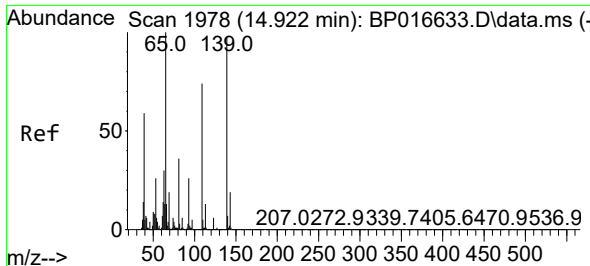
Tgt Ion:153 Resp: 1679866
Ion Ratio Lower Upper
153 100
152 47.1 38.7 58.1
154 87.4 72.0 108.0



#53
2,4-Dinitrophenol
Concen: 22.016 ng/ul
RT: 14.840 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:184 Resp: 158690
Ion Ratio Lower Upper
184 100
63 73.2 65.0 97.6
154 66.0 56.2 84.2

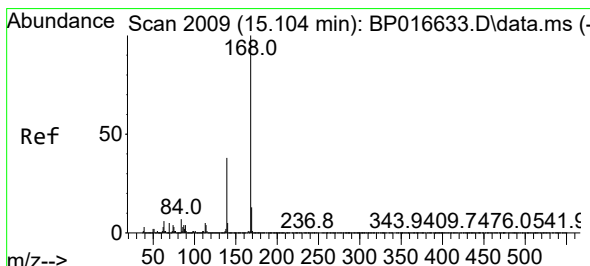
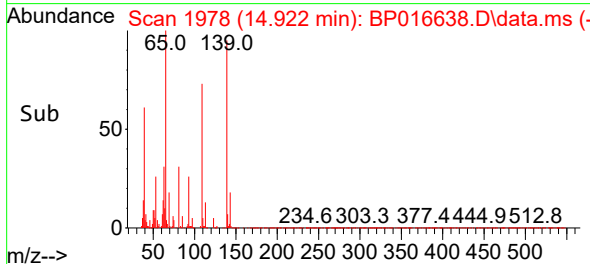
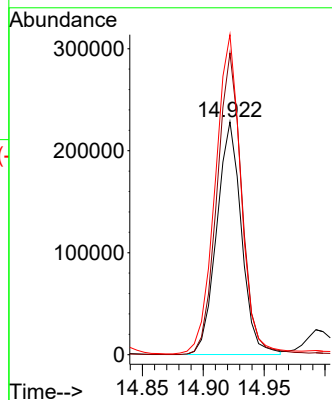
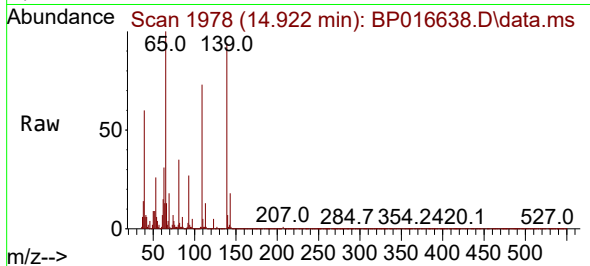




#55
4-Nitrophenol
Concen: 26.636 ng/ul
RT: 14.922 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

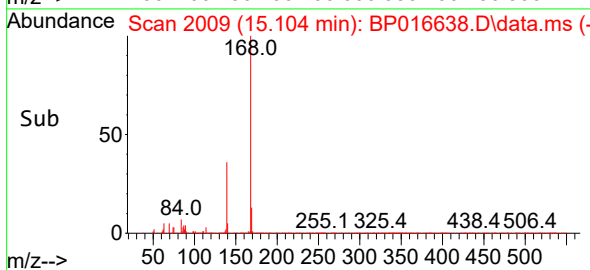
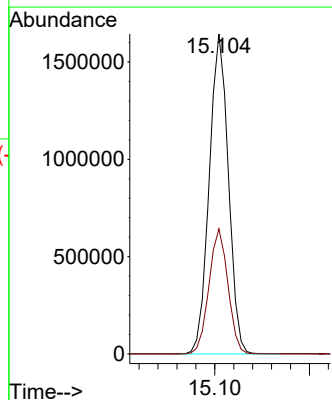
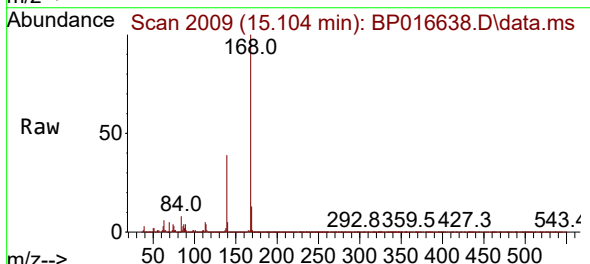
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

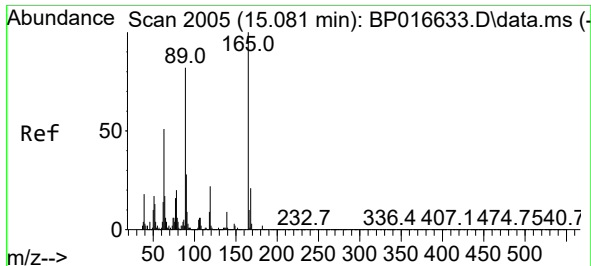
Tgt Ion:109 Resp: 322509
Ion Ratio Lower Upper
109 100
139 129.6 101.1 151.7
65 137.4 108.9 163.3



#56
Dibenzofuran
Concen: 25.946 ng/ul
RT: 15.104 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:168 Resp: 2302941
Ion Ratio Lower Upper
168 100
139 39.1 31.4 47.0

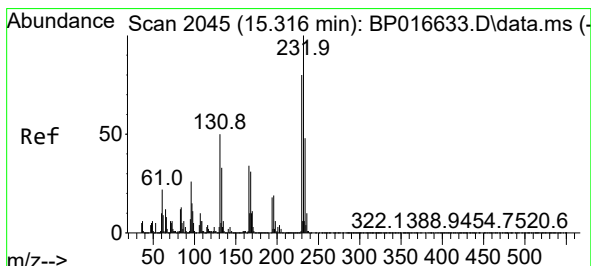
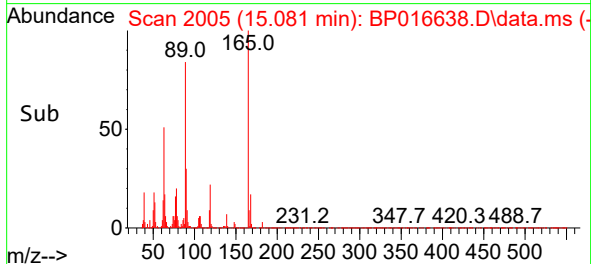
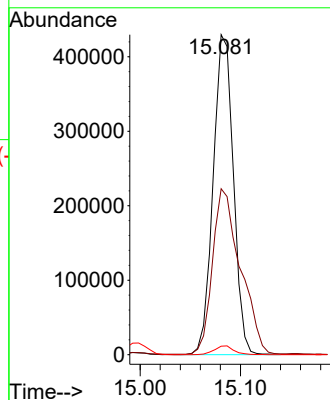
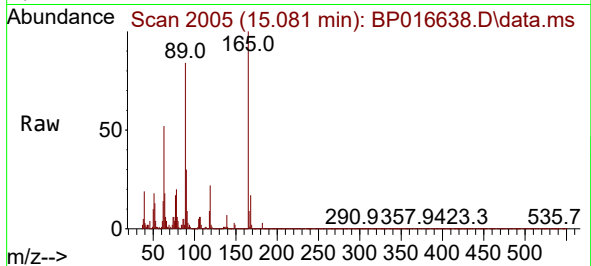




#57
2,4-Dinitrotoluene
Concen: 31.048 ng/ul
RT: 15.081 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BP016633.D
Acq: 18 Aug 2023 12:24

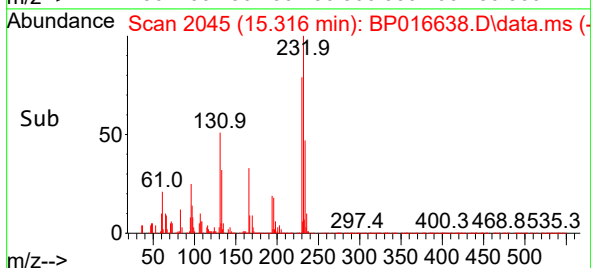
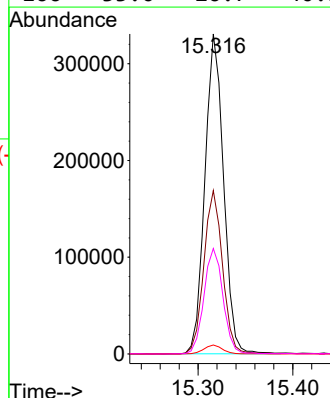
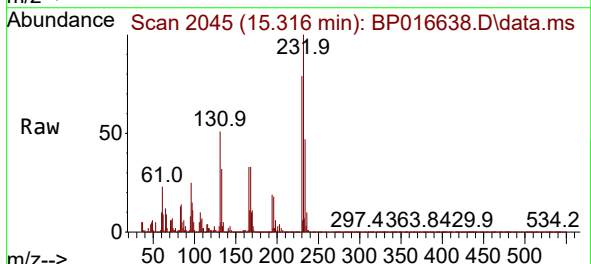
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

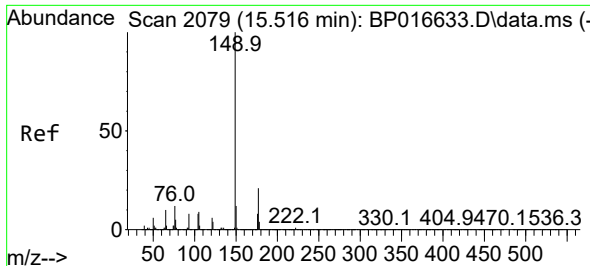
Tgt Ion:165 Resp: 601969
Ion Ratio Lower Upper
165 100
63 51.8 40.4 60.6
182 2.7 1.9 2.9



#58
2,3,4,6-Tetrachlorophenol
Concen: 29.545 ng/ul
RT: 15.316 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:232 Resp: 451481
Ion Ratio Lower Upper
232 100
131 51.1 42.9 64.3
130 2.8 2.2 3.4
166 33.0 26.7 40.1

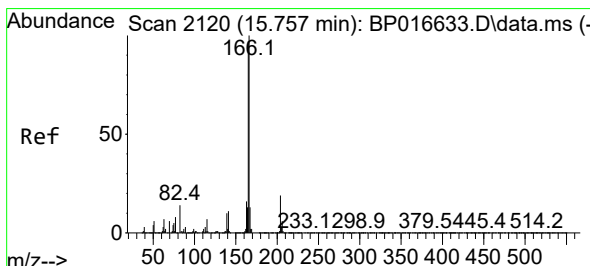
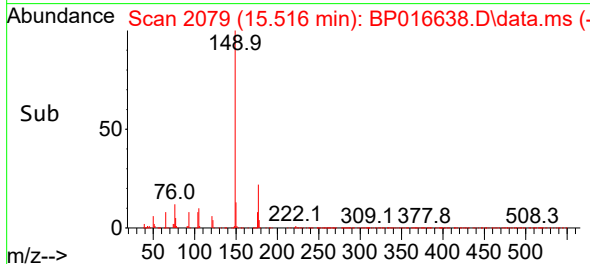
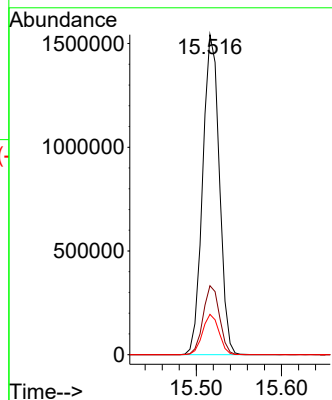
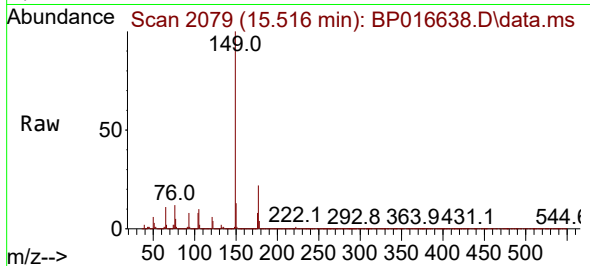




#59
Diethylphthalate
Concen: 27.391 ng/ul
RT: 15.516 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

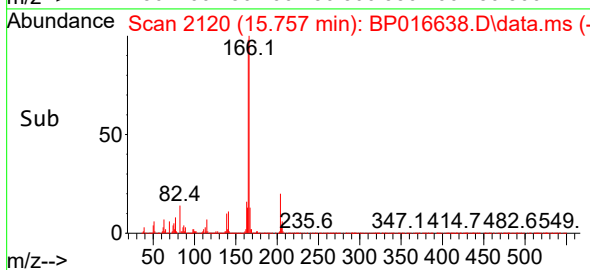
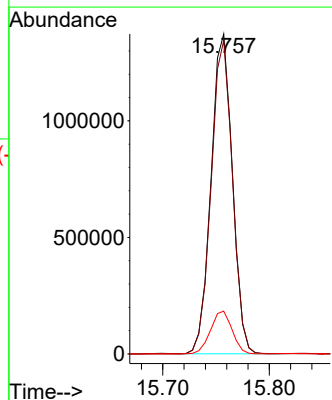
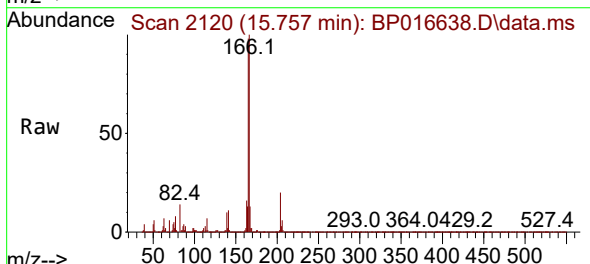
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

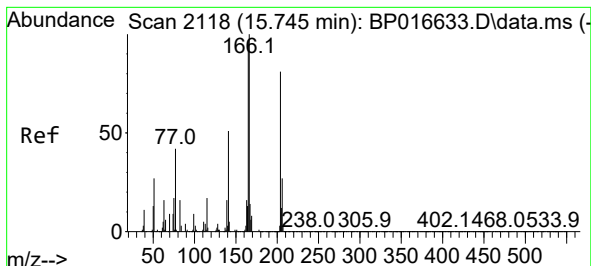
Tgt Ion:149 Resp: 2093425
Ion Ratio Lower Upper
149 100
177 21.6 16.5 24.7
150 12.6 10.0 15.0



#61
Fluorene
Concen: 26.255 ng/ul
RT: 15.757 min Scan# 2120
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:166 Resp: 1910786
Ion Ratio Lower Upper
166 100
165 98.0 78.3 117.5
167 13.4 10.8 16.2

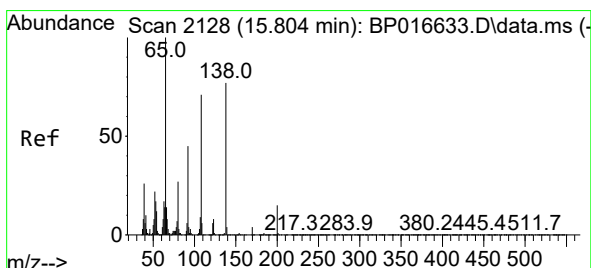
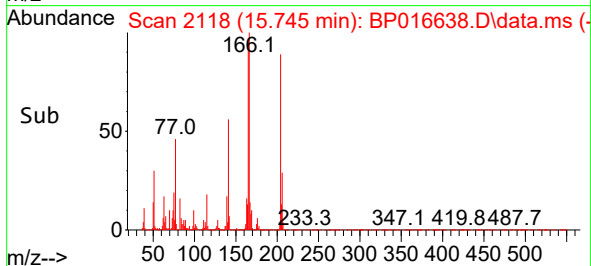
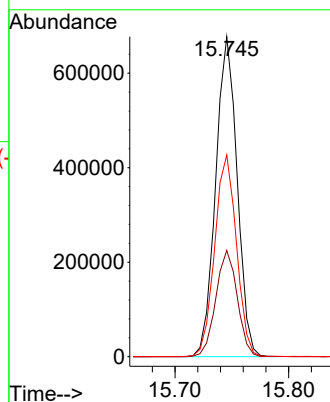
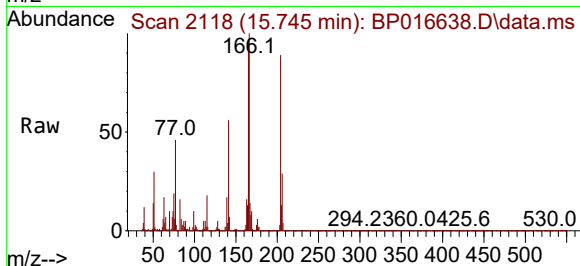




#62
4-Chlorophenyl-phenylether
Concen: 26.052 ng/ul
RT: 15.745 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

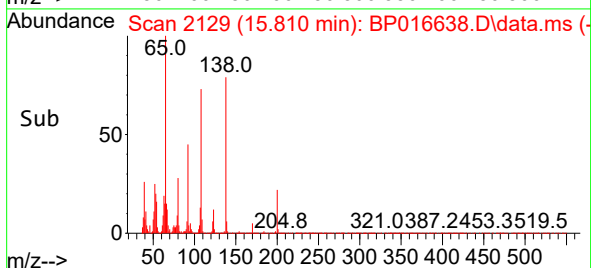
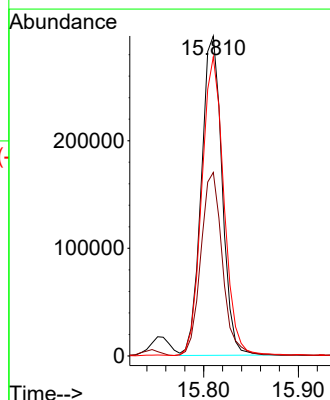
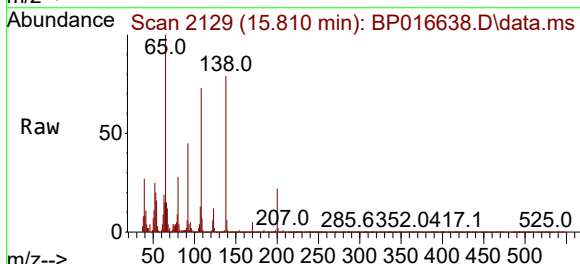
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

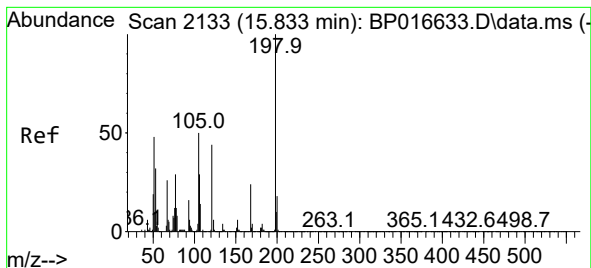
Tgt Ion:204 Resp: 890031
Ion Ratio Lower Upper
204 100
206 33.2 25.5 38.3
141 63.1 52.2 78.2



#63
4-Nitroaniline
Concen: 32.531 ng/ul
RT: 15.810 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:138 Resp: 451952
Ion Ratio Lower Upper
138 100
92 57.3 46.7 70.1
108 93.5 73.7 110.5

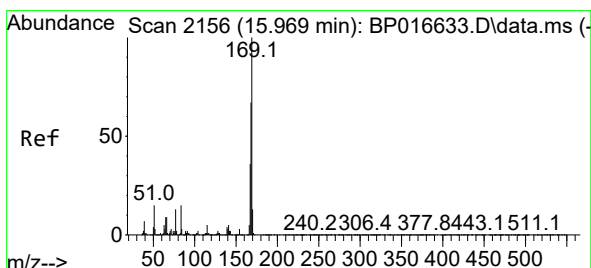
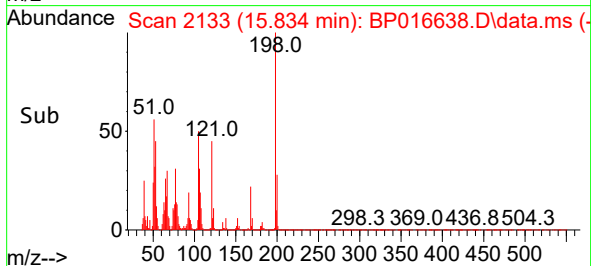
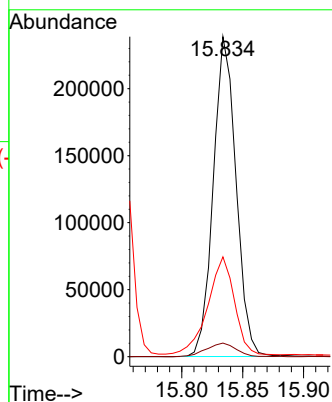
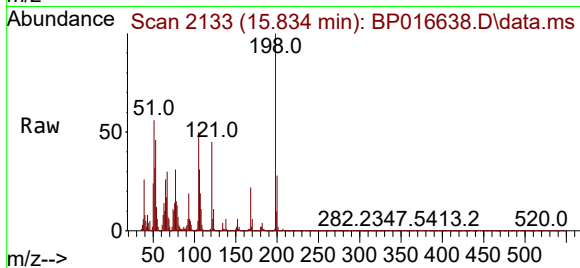




#66
 4,6-Dinitro-2-methylphenol
 Concen: 26.846 ng/ul
 RT: 15.834 min Scan# 2133
 Delta R.T. 0.006 min
 Lab File: BP016638.D
 Acq: 18 Aug 2023 12:24

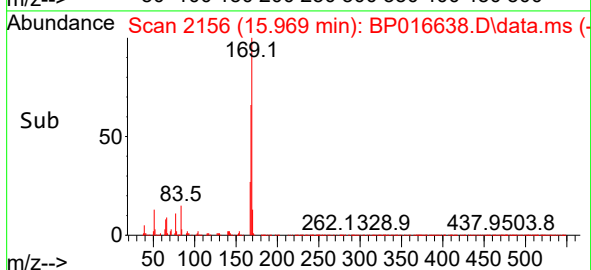
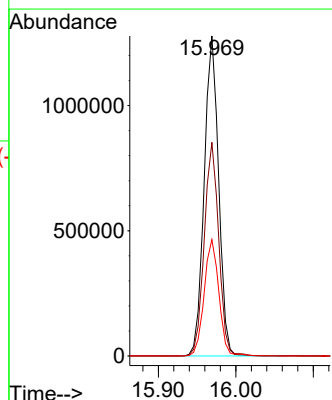
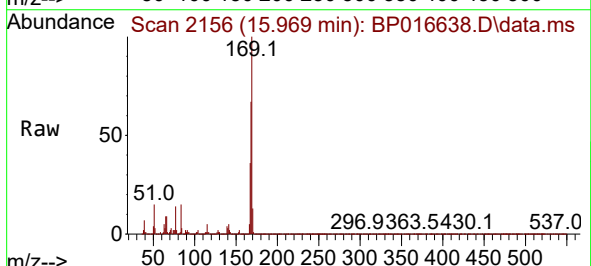
Instrument :
 BNA_P
 ClientSampleId :
 A48H5MSD

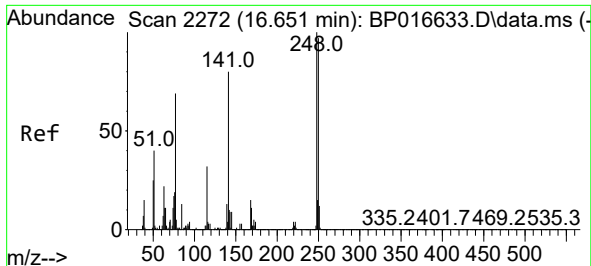
Tgt Ion:198 Resp: 311013
 Ion Ratio Lower Upper
 198 100
 182 4.2 3.9 5.9
 77 31.2 25.8 38.6



#67
 N-Nitrosodiphenylamine
 Concen: 27.717 ng/ul
 RT: 15.969 min Scan# 2156
 Delta R.T. 0.006 min
 Lab File: BP016638.D
 Acq: 18 Aug 2023 12:24

Tgt Ion:169 Resp: 1650106
 Ion Ratio Lower Upper
 169 100
 168 66.8 53.9 80.9
 167 36.4 29.0 43.6

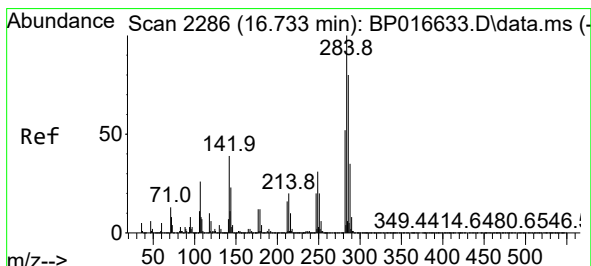
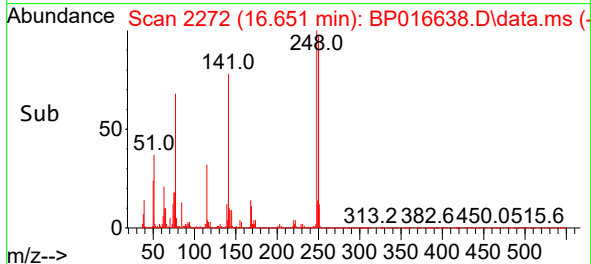
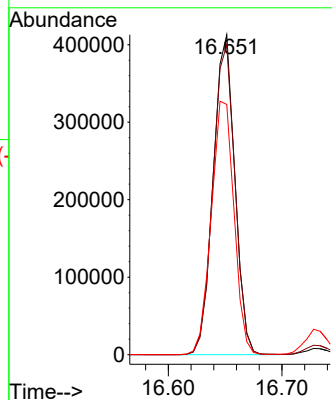
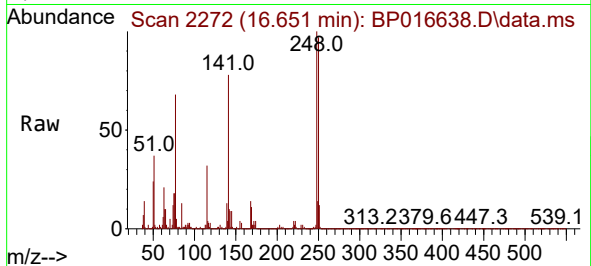




#68
4-Bromophenyl-phenylether
Concen: 27.933 ng/ul
RT: 16.651 min Scan# 211
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

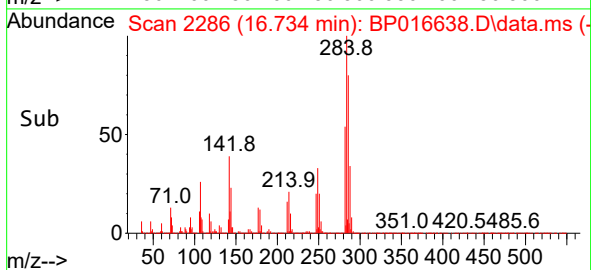
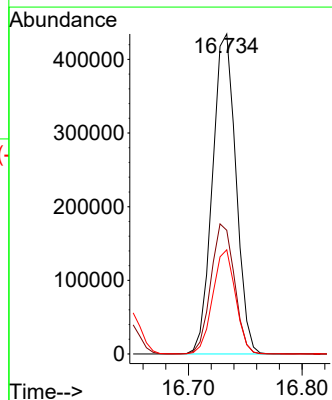
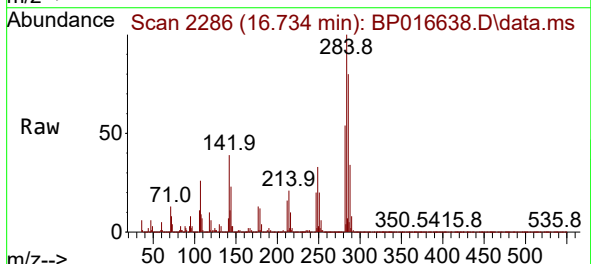
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

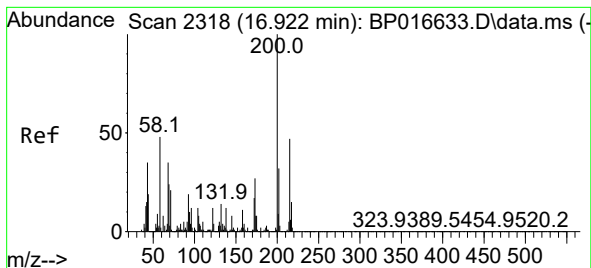
Tgt Ion:248 Resp: 547763
Ion Ratio Lower Upper
248 100
250 96.9 76.9 115.3
141 78.2 67.6 101.4



#69
Hexachlorobenzene
Concen: 27.255 ng/ul
RT: 16.734 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:284 Resp: 624485
Ion Ratio Lower Upper
284 100
142 38.7 31.9 47.9
249 32.6 24.7 37.1





#70

Atrazine

Concen: 26.625 ng/ul

RT: 16.922 min Scan# 2318

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

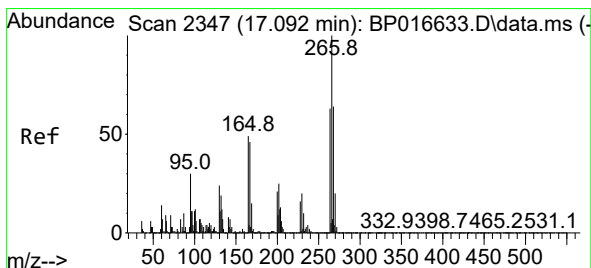
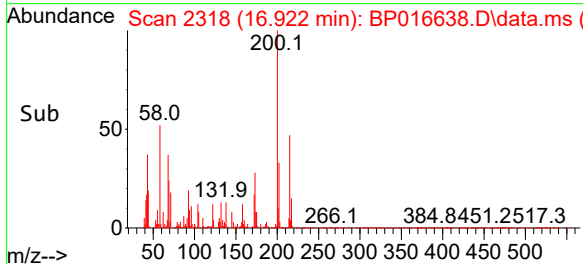
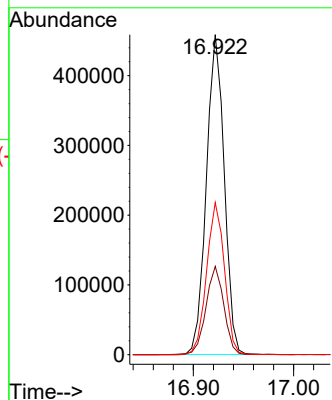
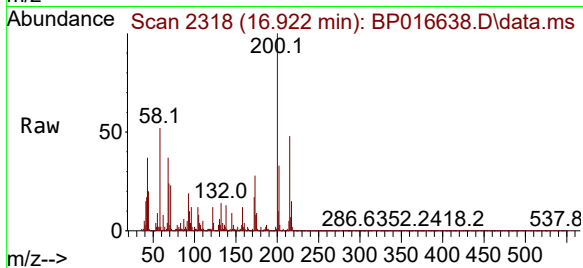
Tgt Ion:200 Resp: 570265

Ion Ratio Lower Upper

200 100

173 27.6 22.2 33.2

215 47.5 38.4 57.6



#71

Pentachlorophenol

Concen: 23.367 ng/ul

RT: 17.092 min Scan# 2347

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

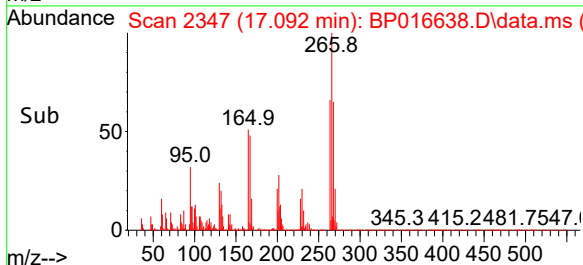
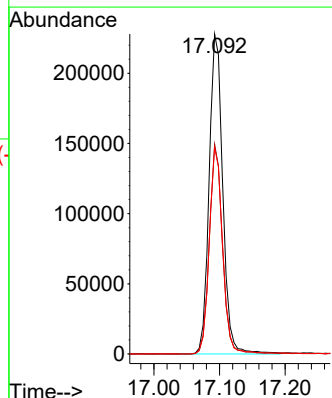
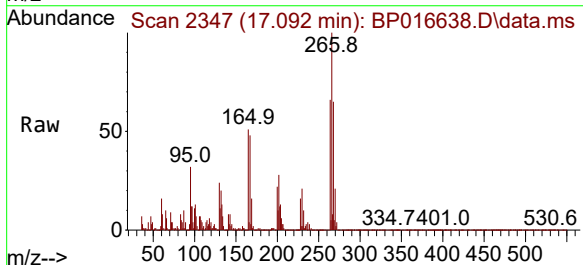
Tgt Ion:266 Resp: 329638

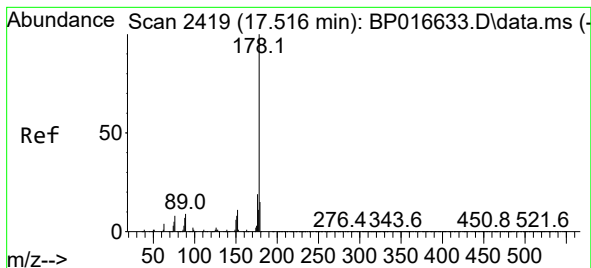
Ion Ratio Lower Upper

266 100

264 65.5 50.7 76.1

268 64.6 53.0 79.6





#72

Phenanthrene

Concen: 27.133 ng/ul

RT: 17.516 min Scan# 2419

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

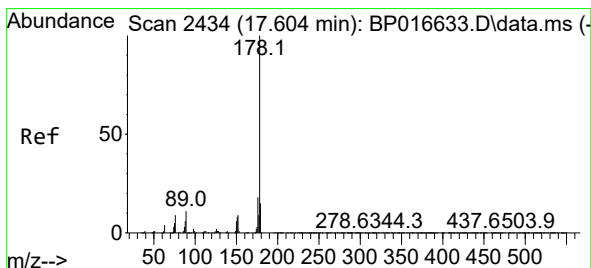
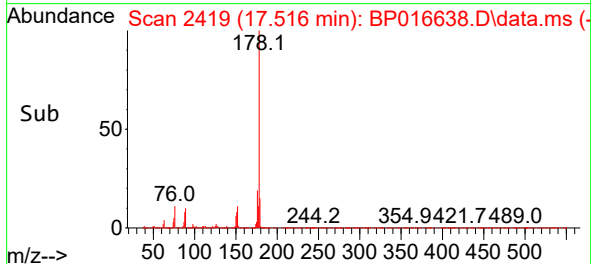
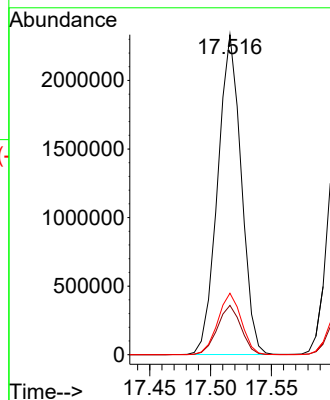
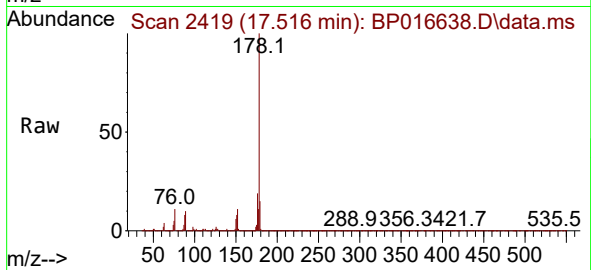
Tgt Ion:178 Resp: 3139589

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.2 15.5 23.3



#74

Anthracene

Concen: 26.522 ng/ul

RT: 17.610 min Scan# 2435

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

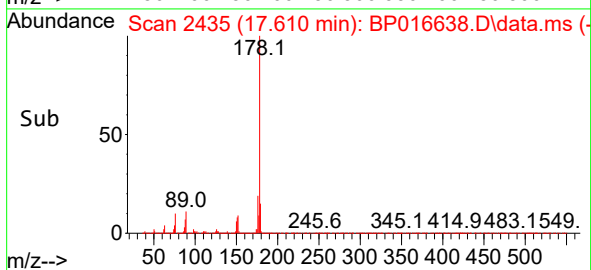
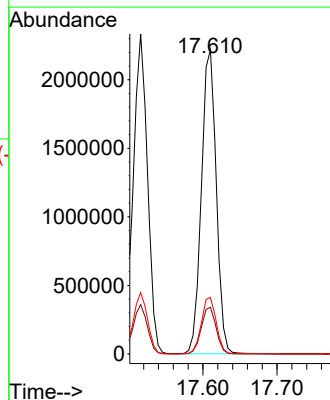
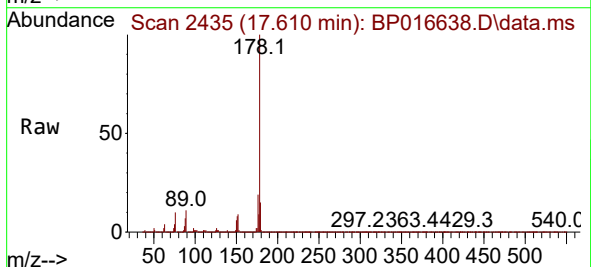
Tgt Ion:178 Resp: 3082444

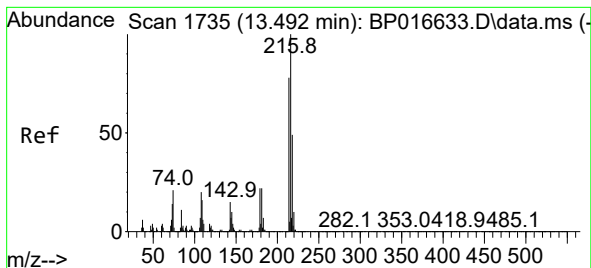
Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

176 18.6 14.9 22.3





#75

1,2,3,4-Tetrachlorobenzene

Concen: 24.956 ng/uL

RT: 13.493 min Scan# 1735

Delta R.T. 0.000 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

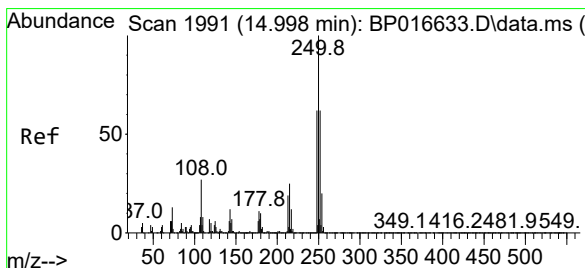
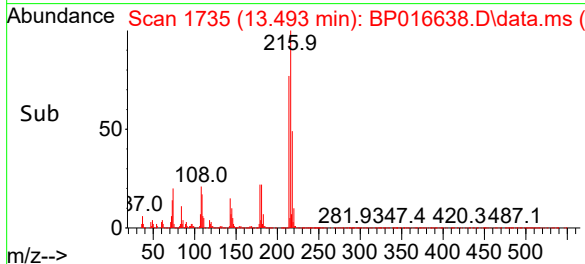
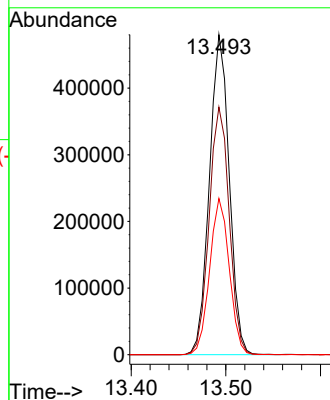
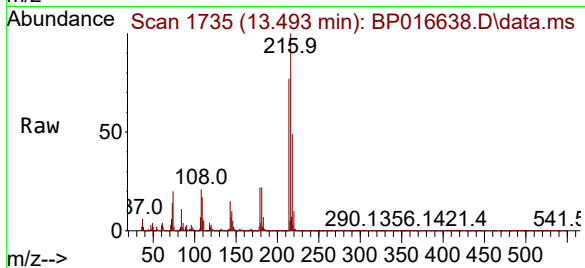
Tgt Ion:216 Resp: 696546

Ion Ratio Lower Upper

216 100

214 77.3 65.4 98.2

218 48.8 39.3 58.9



#76

Pentachlorobenzene

Concen: 27.668 ng/uL

RT: 14.998 min Scan# 1991

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

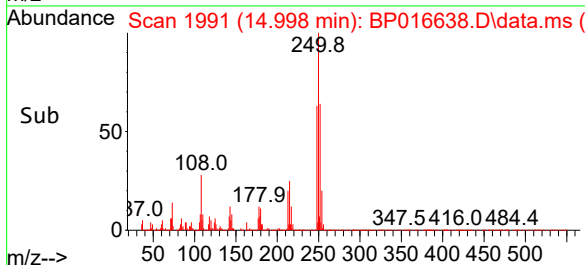
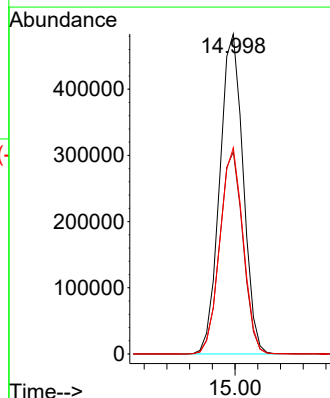
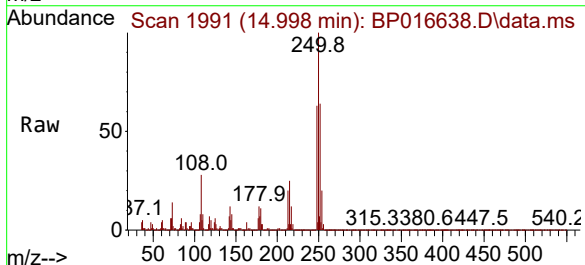
Tgt Ion:250 Resp: 692900

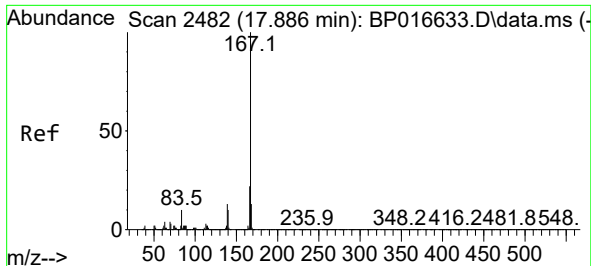
Ion Ratio Lower Upper

250 100

248 63.2 50.2 75.2

252 64.4 51.0 76.4

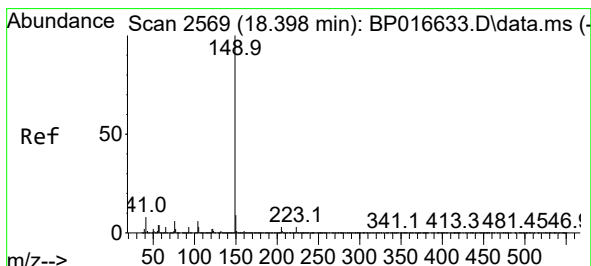
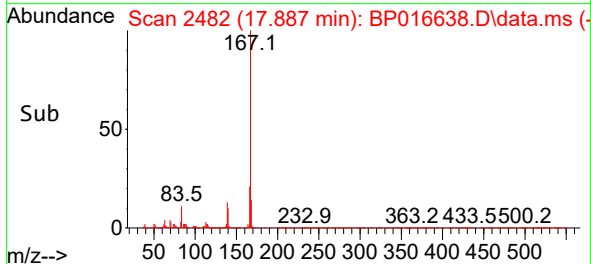
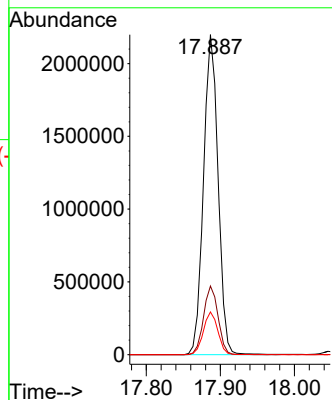
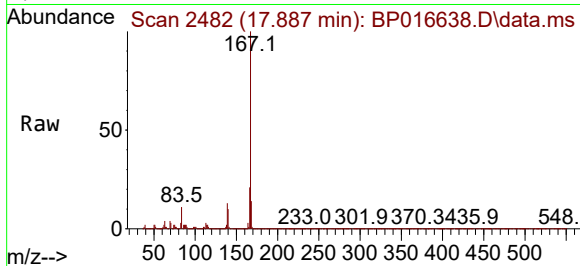




#77
Carbazole
Concen: 28.011 ng/ul
RT: 17.887 min Scan# 2482
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

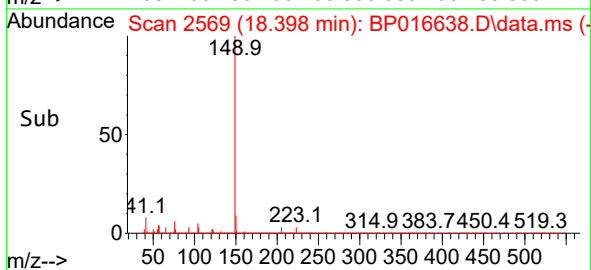
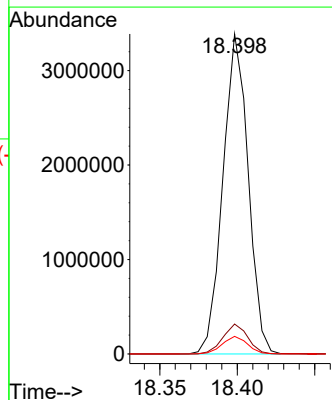
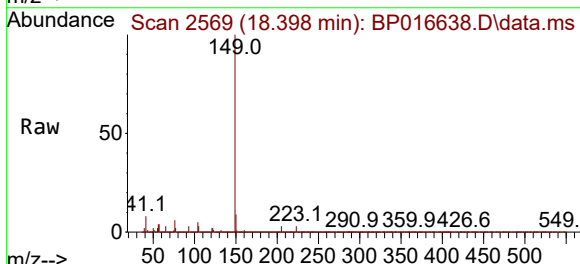
Instrument :
BNA_P
ClientSampleId :
A48H5MSD

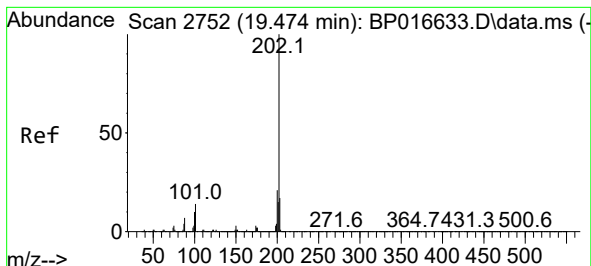
Tgt Ion:167 Resp: 3000133
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 13.4 10.6 16.0



#78
Di-n-butylphthalate
Concen: 30.947 ng/ul
RT: 18.398 min Scan# 2569
Delta R.T. 0.006 min
Lab File: BP016638.D
Acq: 18 Aug 2023 12:24

Tgt Ion:149 Resp: 3836932
Ion Ratio Lower Upper
149 100
150 9.4 7.3 10.9
104 5.5 4.6 6.8





#80

Fluoranthene

Concen: 30.258 ng/ul

RT: 19.475 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

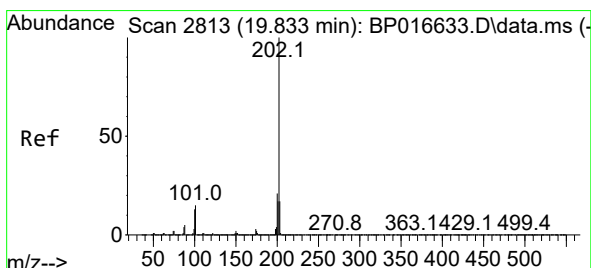
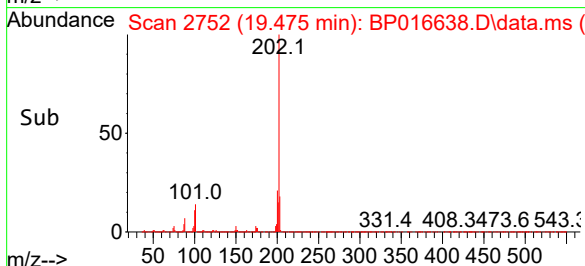
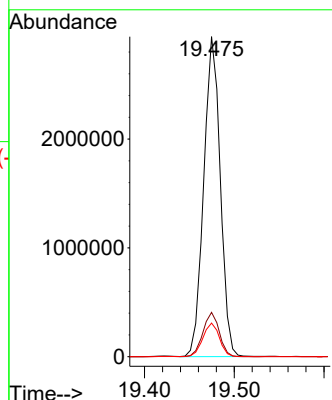
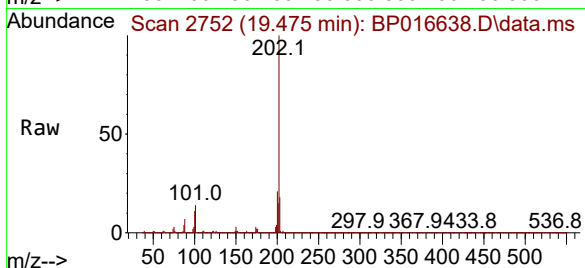
Tgt Ion:202 Resp: 3763049

Ion Ratio Lower Upper

202 100

101 13.9 10.6 16.0

100 10.5 8.1 12.1



#82

Pyrene

Concen: 29.409 ng/ul

RT: 19.834 min Scan# 2813

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

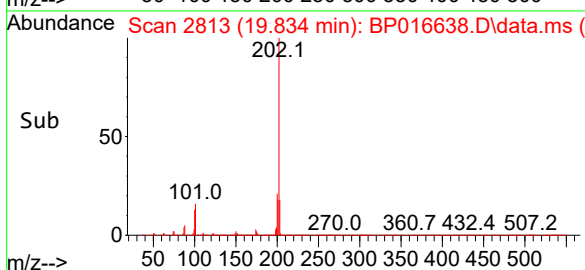
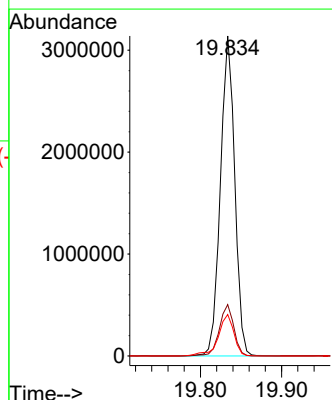
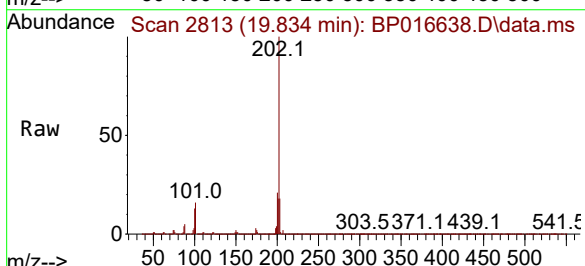
Tgt Ion:202 Resp: 3862137

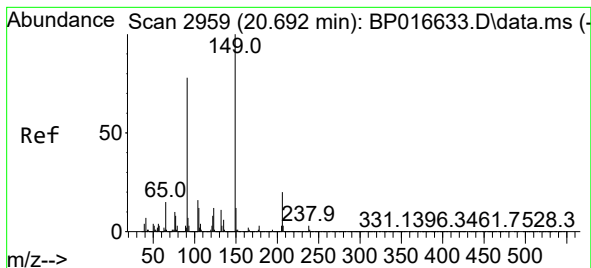
Ion Ratio Lower Upper

202 100

101 16.1 13.4 20.2

100 13.0 11.0 16.4





#83

Butylbenzylphthalate

Concen: 34.383 ng/ul

RT: 20.692 min Scan# 2959

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

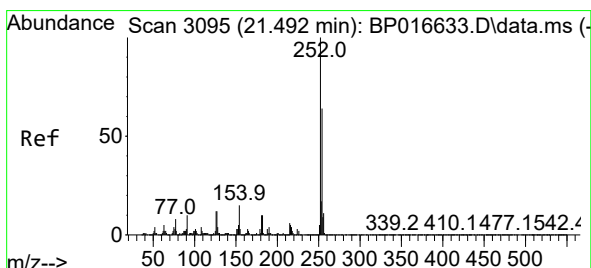
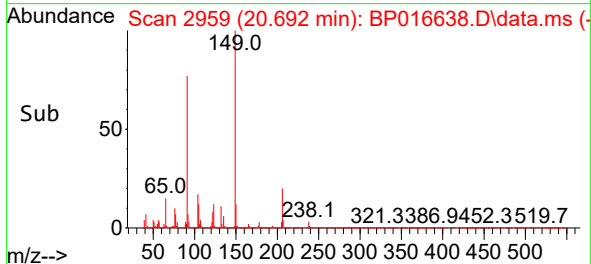
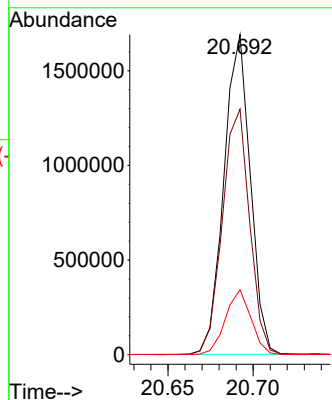
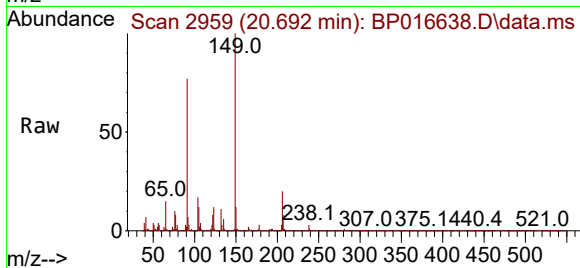
Tgt Ion:149 Resp: 1818977

Ion Ratio Lower Upper

149 100

91 76.7 67.8 101.6

206 20.3 14.4 21.6



#84

3,3'-Dichlorobenzidine

Concen: 25.703 ng/ul

RT: 21.486 min Scan# 3094

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

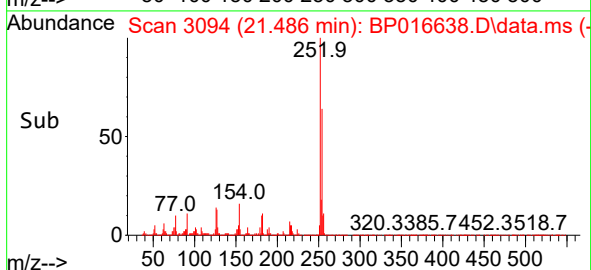
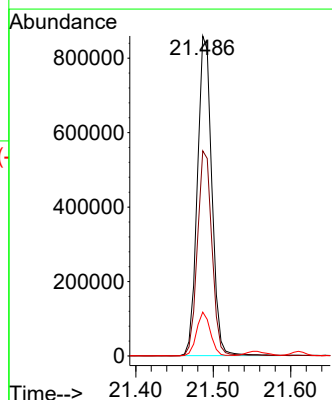
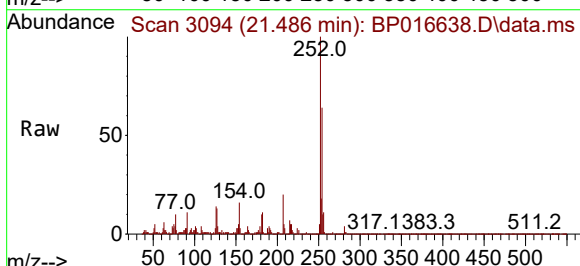
Tgt Ion:252 Resp: 1113028

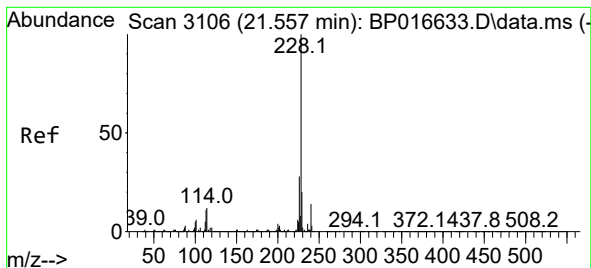
Ion Ratio Lower Upper

252 100

254 64.1 51.3 76.9

126 13.7 10.2 15.4





#85

Benzo(a)anthracene

Concen: 27.314 ng/ul

RT: 21.557 min Scan# 3106

Delta R.T. 0.012 min

Lab File: BP016633.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

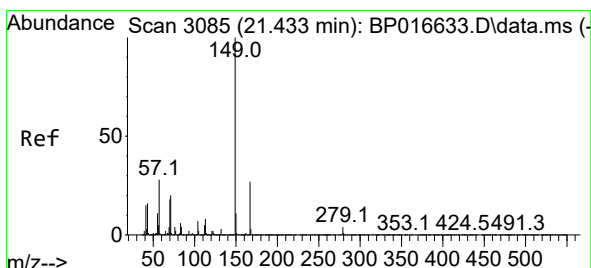
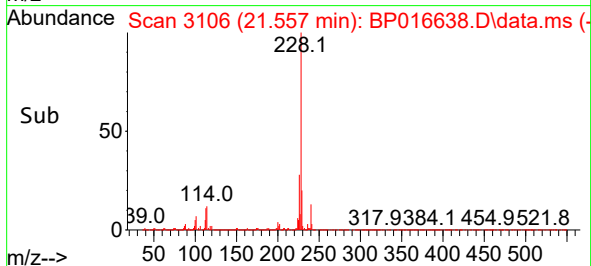
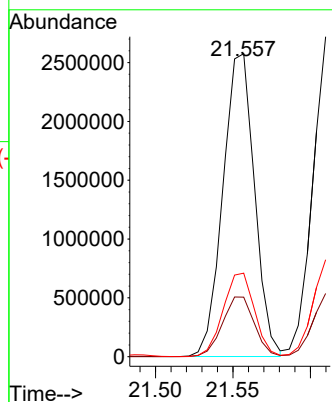
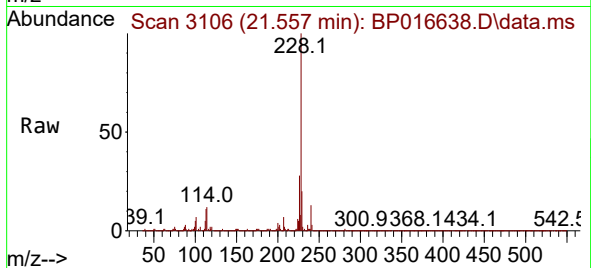
Tgt Ion:228 Resp: 3650464

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

226 27.5 21.8 32.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 34.845 ng/ul

RT: 21.428 min Scan# 3084

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

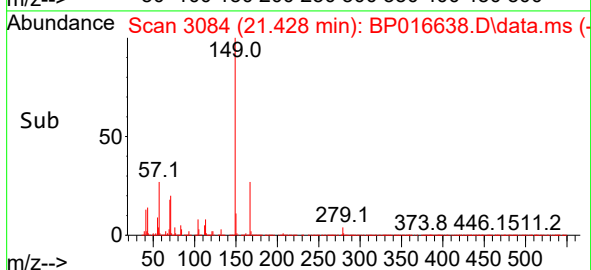
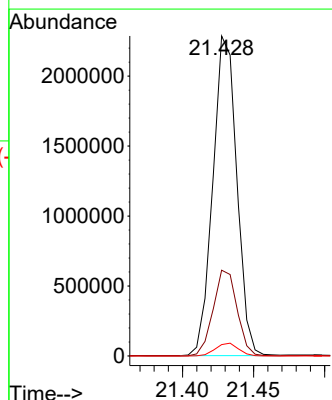
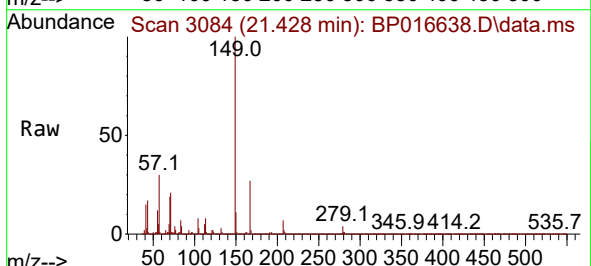
Tgt Ion:149 Resp: 2675348

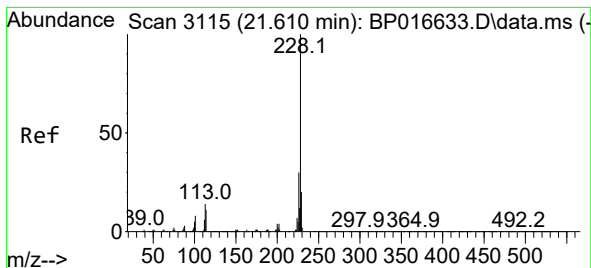
Ion Ratio Lower Upper

149 100

167 26.8 20.9 31.3

279 3.6 2.6 4.0





#87

Chrysene

Concen: 27.805 ng/ul

RT: 21.610 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

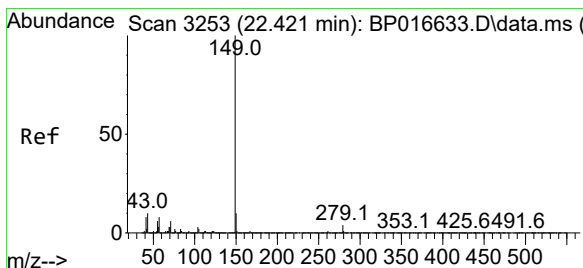
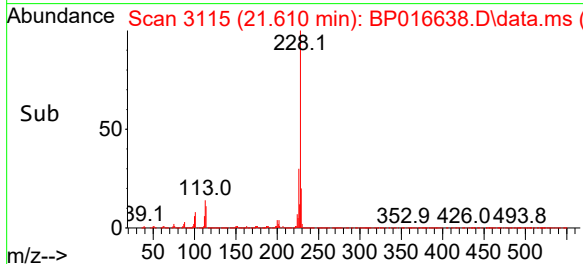
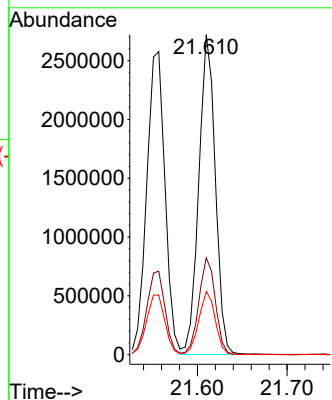
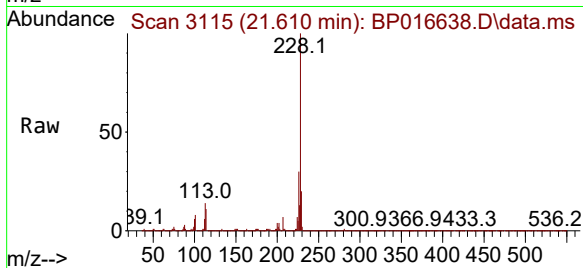
Tgt Ion:228 Resp: 3477405

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

229 19.8 16.4 24.6



#89

Di-n-octyl phthalate

Concen: 36.001 ng/ul

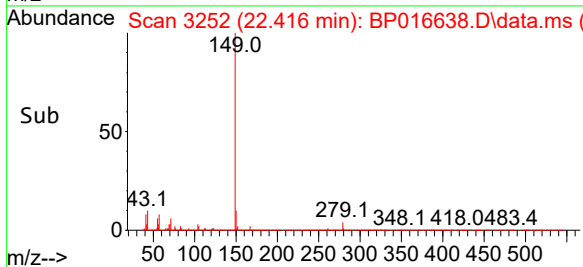
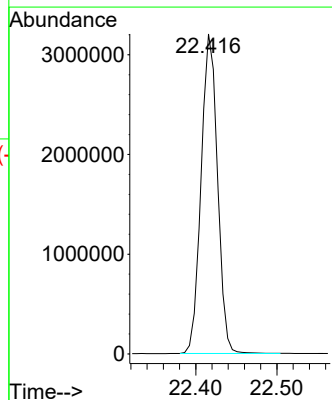
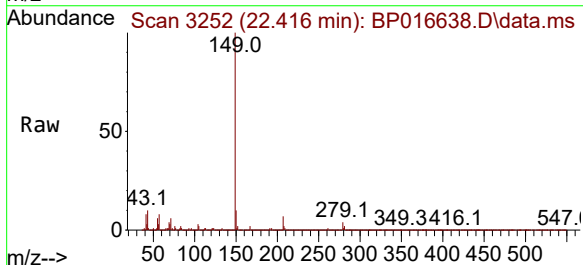
RT: 22.416 min Scan# 3252

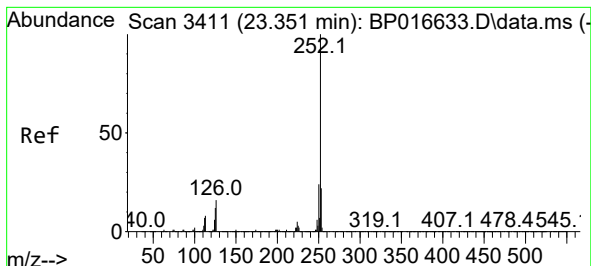
Delta R.T. 0.006 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Tgt Ion:149 Resp: 4494914





#90

Benzo(b)fluoranthene

Concen: 29.537 ng/ul

RT: 23.351 min Scan# 3411

Delta R.T. 0.012 min

Lab File: BP016633.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

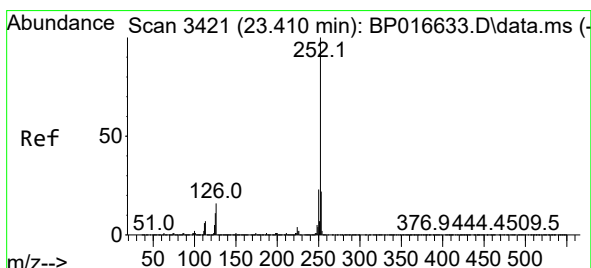
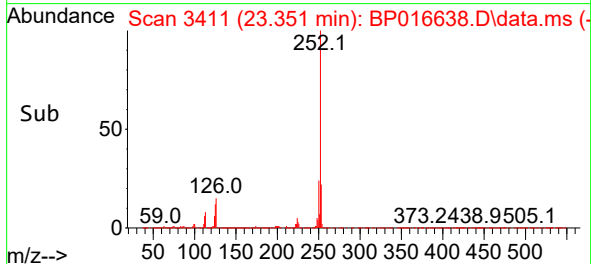
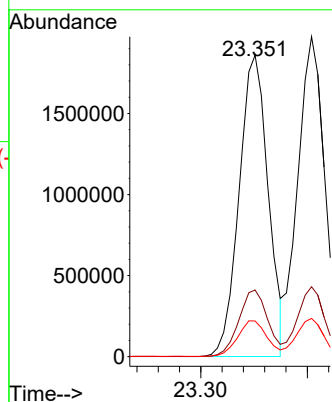
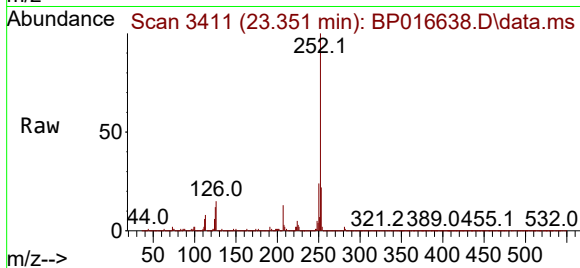
Tgt Ion:252 Resp: 3519141

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 11.8 10.0 15.0



#91

Benzo(k)fluoranthene

Concen: 29.483 ng/ul

RT: 23.404 min Scan# 3420

Delta R.T. 0.012 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

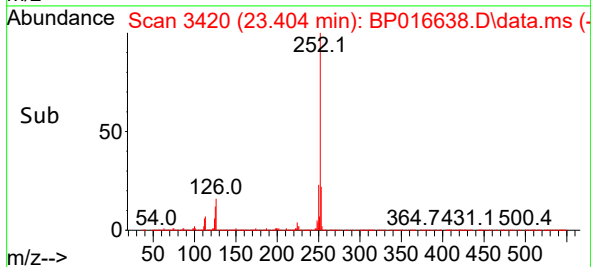
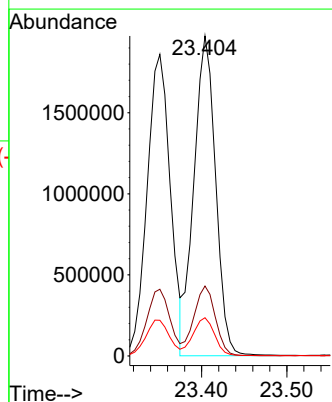
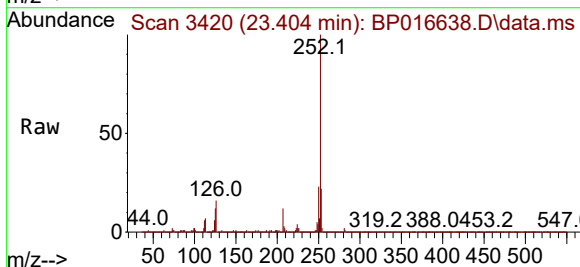
Tgt Ion:252 Resp: 3484751

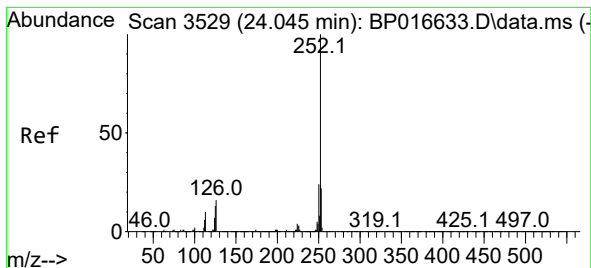
Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 12.0 9.8 14.8





#93

Benzo(a)pyrene

Concen: 26.202 ng/ul

RT: 24.039 min Scan# 3529

Delta R.T. 0.012 min

Lab File: BP016633.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

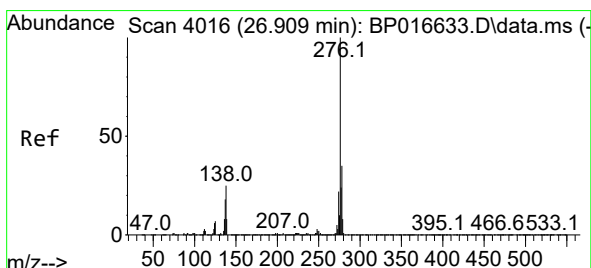
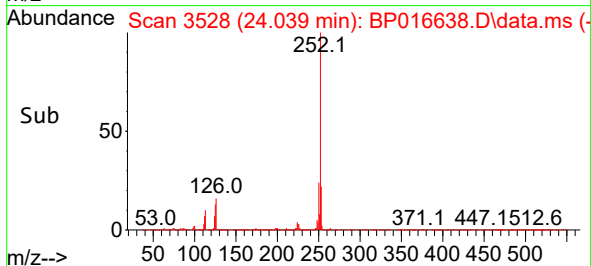
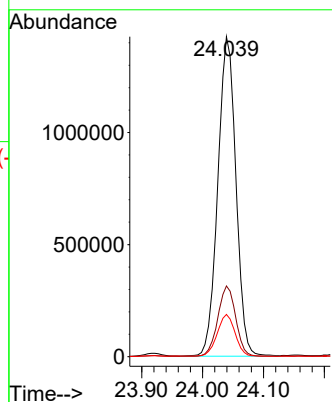
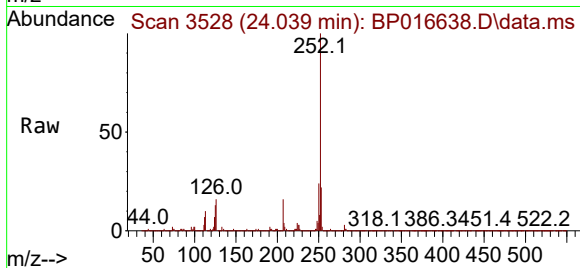
Tgt Ion:252 Resp: 2944868

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 13.2 10.6 15.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 23.158 ng/ul

RT: 26.910 min Scan# 4016

Delta R.T. 0.024 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

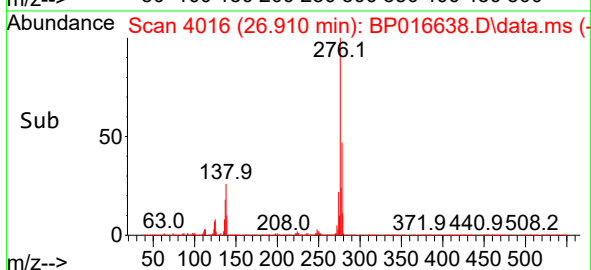
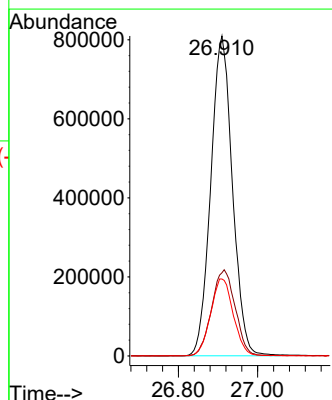
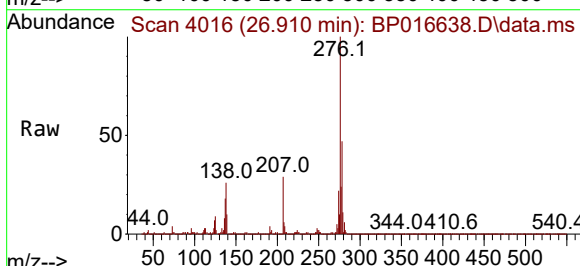
Tgt Ion:276 Resp: 3071831

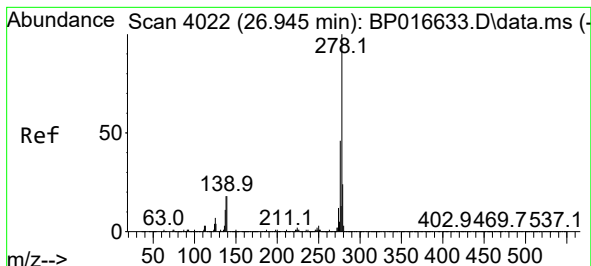
Ion Ratio Lower Upper

276 100

138 26.0 21.7 32.5

277 24.0 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 23.206 ng/ul

RT: 26.933 min Scan# 4022

Delta R.T. 0.018 min

Lab File: BP016633.D

Acq: 18 Aug 2023 12:24

Instrument :

BNA_P

ClientSampleId :

A48H5MSD

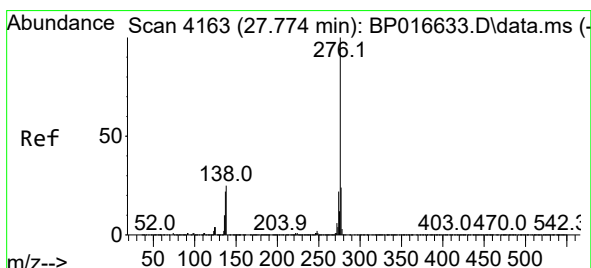
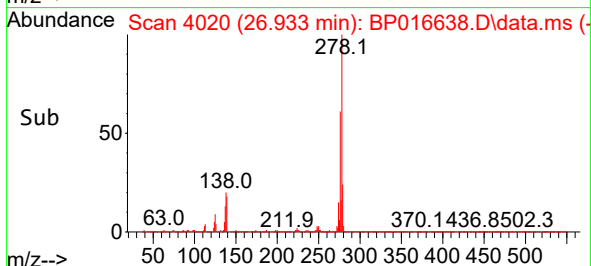
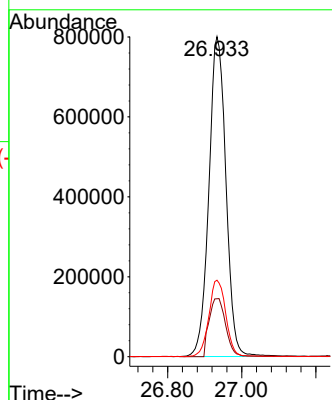
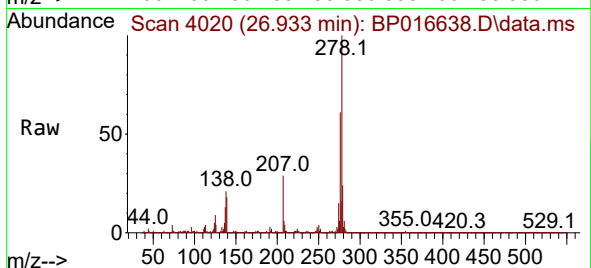
Tgt Ion:278 Resp: 2561730

Ion Ratio Lower Upper

278 100

139 18.1 15.5 23.3

279 23.9 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 22.357 ng/ul

RT: 27.768 min Scan# 4162

Delta R.T. 0.024 min

Lab File: BP016638.D

Acq: 18 Aug 2023 12:24

Tgt Ion:276 Resp: 2360243

Ion Ratio Lower Upper

276 100

138 25.8 21.5 32.3

277 24.1 19.3 28.9

