

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081423\
 Data File : BP016565.D
 Acq On : 14 Aug 2023 17:16
 Operator : MA/JU
 Sample : 03965-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4832MSD

Quant Time: Aug 14 17:46:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 14 15:11:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	446612	20.000	ng/u1	0.00
20) Naphthalene-d8	10.893	136	2011748	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.710	164	1208127	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.475	188	2628426	20.000	ng/u1	0.00
79) Chrysene-d12	21.574	240	2485354	20.000	ng/u1	0.00
88) Perylene-d12	24.163	264	2756488	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	31447	2.676	ng/uL	0.00
4) Pyridine-d5	3.834	84	257921	7.213	ng/u1	0.00
7) Phenol-d5	7.199	99	630575	15.315	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.393	67	401978	14.823	ng/u1	0.00
11) 2-Chlorophenol-d4	7.581	132	457031	15.454	ng/u1	0.00
15) 4-Methylphenol-d8	8.763	113	474375	14.489	ng/u1	0.00
21) Nitrobenzene-d5	9.257	128	225645	15.941	ng/u1	0.00
24) 2-Nitrophenol-d4	9.975	143	220075	16.369	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	435559	16.462	ng/u1	0.00
31) 4-Chloroaniline-d4	11.046	131	469161	10.335	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	1395935	15.975	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	1583055	16.051	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	263490	14.802	ng/u1	0.00
60) Fluorene-d10	15.704	176	1191438	15.994	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	125738	10.056	ng/u1	0.00
73) Anthracene-d10	17.575	188	1858643	16.348	ng/u1	0.00
81) Pyrene-d10	19.804	212	2269367	17.426	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	2243022	16.980	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.434	88	86737	6.712	ng/uL	96
5) Pyridine	3.858	79	323553	8.721	ng/u1	98
6) Benzaldehyde	7.210	77	459282	20.235	ng/u1	99
8) Phenol	7.222	94	805382	18.301	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.493	93	611165	17.193	ng/u1	99
12) 2-Chlorophenol	7.610	128	561306	18.039	ng/u1	99
13) 2-Methylphenol	8.493	108	550062	17.208	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.575	45	399210	8.059	ng/u1	99
16) Acetophenone	8.910	105	1021385	19.319	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.881	70	490144	17.286	ng/u1	99
18) 4-Methylphenol	8.828	108	608468	17.319	ng/u1	98
19) Hexachloroethane	9.134	117	222601	17.123	ng/u1	99
22) Nitrobenzene	9.299	77	719267	18.151	ng/u1	98
23) Isophorone	9.816	82	1358294	18.148	ng/u1	100
25) 2-Nitrophenol	10.004	139	292088	19.004	ng/u1	99
26) 2,4-Dimethylphenol	10.040	107	552393	15.245	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.304	93	838842	17.484	ng/u1	100
29) 2,4-Dichlorophenol	10.522	162	508090	18.665	ng/u1	100
30) Naphthalene	10.946	128	1839387	17.500	ng/u1	100
32) 4-Chloroaniline	11.069	127	566958	12.612	ng/u1	99
33) Hexachlorobutadiene	11.181	225	287850	17.541	ng/u1	99
34) Caprolactam	11.881	113	181637	16.988	ng/u1	98
35) 4-Chloro-3-methylphenol	12.157	107	630625	18.952	ng/u1	99
36) 2-Methylnaphthalene	12.540	142	1218884	17.312	ng/u1	100

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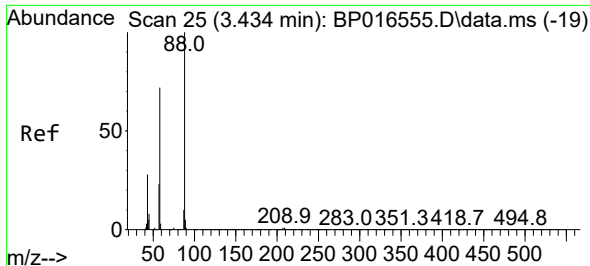
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.763	142	1218801	17.192	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.887	216	581840	18.006	ng/ul	100
40) Hexachlorocyclopentadiene	12.845	237	292683	14.886	ng/ul	98
41) 2,4,6-Trichlorophenol	13.140	196	393165	19.550	ng/ul	98
42) 2,4,5-Trichlorophenol	13.204	196	445376	20.431	ng/ul	99
43) 1,1'-Biphenyl	13.545	154	1628288	18.132	ng/ul	99
44) 2-Chloronaphthalene	13.592	162	1263901	18.089	ng/ul	99
45) 2-Nitroaniline	13.816	65	429584	20.334	ng/ul	97
47) Dimethylphthalate	14.169	163	1675761	18.756	ng/ul	99
48) 2,6-Dinitrotoluene	14.310	165	323243	20.888	ng/ul	99
50) Acenaphthylene	14.440	152	2034097	17.512	ng/ul	99
51) 3-Nitroaniline	14.645	138	348843	20.104	ng/ul	96
52) Acenaphthene	14.775	153	1402968	18.044	ng/ul	99
53) 2,4-Dinitrophenol	14.839	184	95467	11.082	ng/ul	98
55) 4-Nitrophenol	14.922	109	282160	19.497	ng/ul	99
56) Dibenzofuran	15.110	168	1942759	18.313	ng/ul	99
57) 2,4-Dinitrotoluene	15.087	165	481165	20.763	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.322	232	371820	20.358	ng/ul	98
59) Diethylphthalate	15.522	149	1731509	18.955	ng/ul	99
61) Fluorene	15.763	166	1611342	18.524	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.751	204	746677	18.286	ng/ul	99
63) 4-Nitroaniline	15.810	138	365941	22.037	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.839	198	169082	12.195	ng/ul	96
67) N-Nitrosodiphenylamine	15.975	169	1355661	19.027	ng/ul	99
68) 4-Bromophenyl-phenylether	16.657	248	454071	19.348	ng/ul	97
69) Hexachlorobenzene	16.739	284	514201	18.752	ng/ul	99
70) Atrazine	16.928	200	429111	16.741	ng/ul	99
71) Pentachlorophenol	17.098	266	283249	16.777	ng/ul	98
72) Phenanthrene	17.522	178	2663670	19.236	ng/ul	100
74) Anthracene	17.610	178	2611981	18.779	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.498	216	576882	17.270	ng/ul	99
76) Pentachlorobenzene	15.004	250	568932	18.983	ng/ul	100
77) Carbazole	17.892	167	2524940	19.698	ng/ul	100
78) Di-n-butylphthalate	18.404	149	3177371	21.413	ng/ul	100
80) Fluoranthene	19.480	202	3296786	21.211	ng/ul	100
82) Pyrene	19.833	202	3373995	20.557	ng/ul	99
83) Butylbenzylphthalate	20.692	149	1480898	22.398	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.492	252	550236	10.167	ng/ul	99
85) Benzo(a)anthracene	21.557	228	3308596	19.808	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.433	149	2205476	22.984	ng/ul	98
87) Chrysene	21.616	228	3098993	19.827	ng/ul	99
89) Di-n-octyl phthalate	22.427	149	3708705	21.564	ng/ul	100
90) Benzo(b)fluoranthene	23.351	252	3369546	20.530	ng/ul	99
91) Benzo(k)fluoranthene	23.410	252	3274635	20.111	ng/ul	99
93) Benzo(a)pyrene	24.045	252	2855494	18.443	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.909	276	3600368	19.703	ng/ul	95
95) Dibenzo(a,h)anthracene	26.945	278	2973147	19.551	ng/ul	99
96) Benzo(g,h,i)perylene	27.780	276	2624622	18.047	ng/ul	97

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

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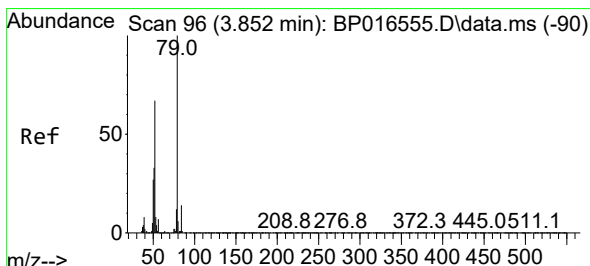
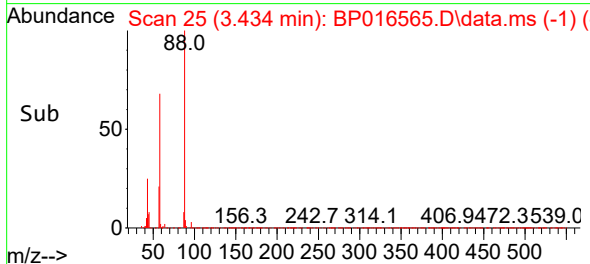
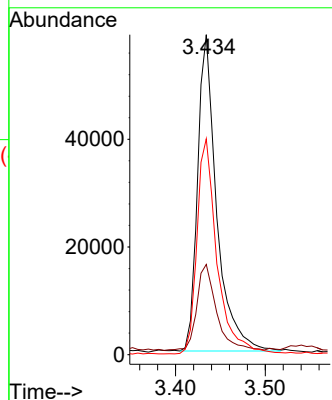
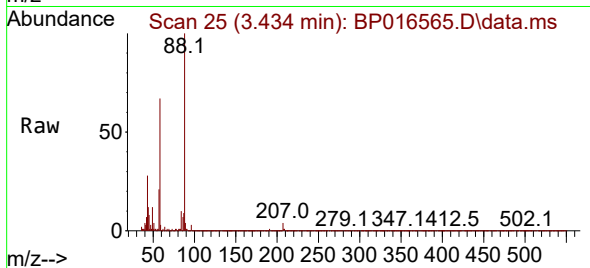




#2
1,4-Dioxane
Concen: 6.712 ng/uL
RT: 3.434 min Scan# 21
Delta R.T. -0.000 min
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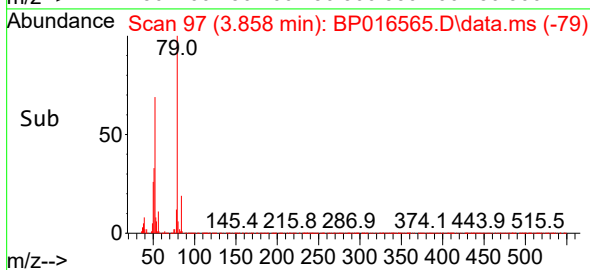
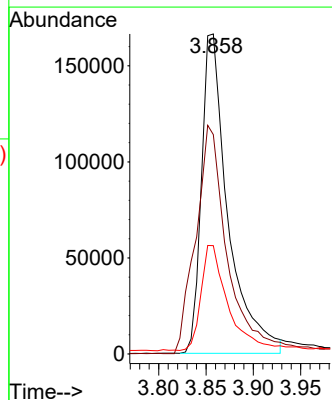
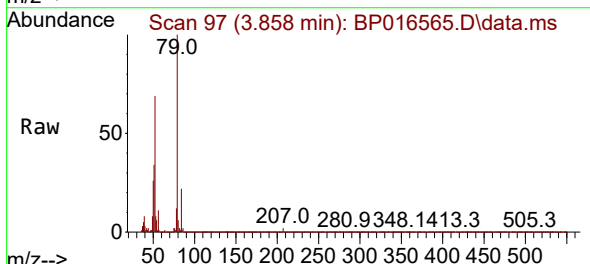
Instrument :
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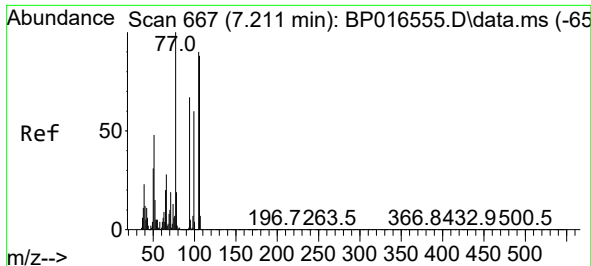
Tgt Ion: 88 Resp: 86737
Ion Ratio Lower Upper
88 100
43 28.2 23.5 35.3
58 67.5 57.1 85.7



#5
Pyridine
Concen: 8.721 ng/uL
RT: 3.858 min Scan# 97
Delta R.T. 0.006 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion: 79 Resp: 323553
Ion Ratio Lower Upper
79 100
52 68.6 56.6 84.8
51 33.8 26.9 40.3

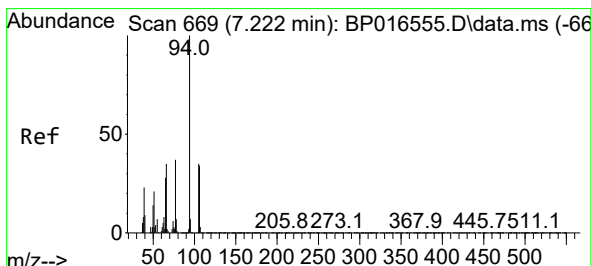
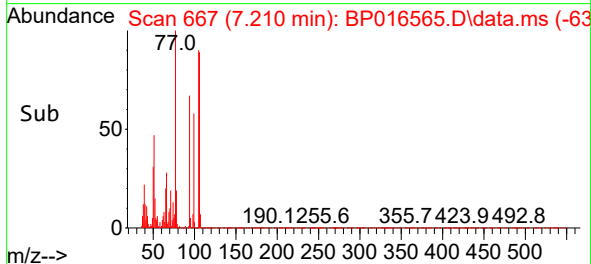
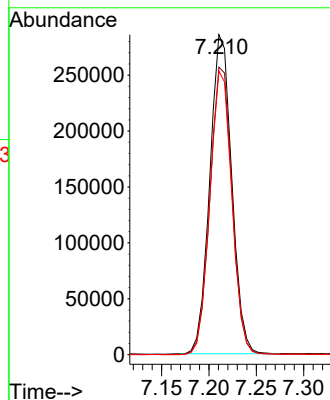
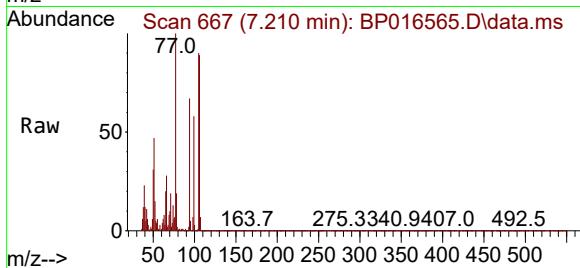




#6
Benzaldehyde
Concen: 20.235 ng/ul
RT: 7.210 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

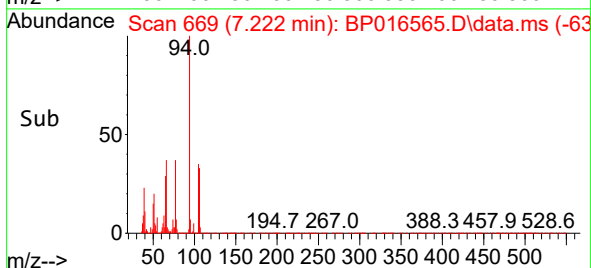
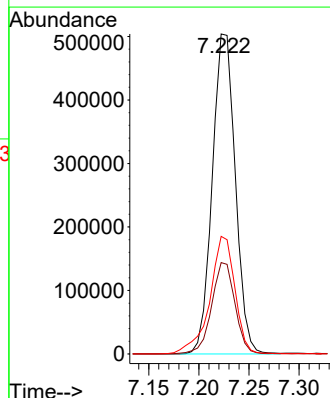
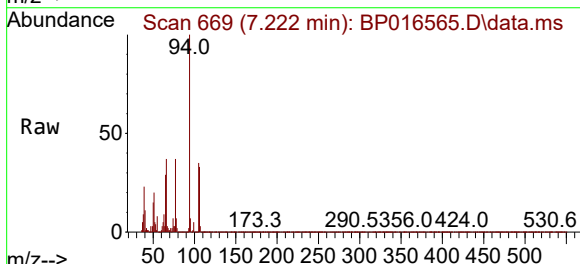
Instrument :
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ClientSampleId :
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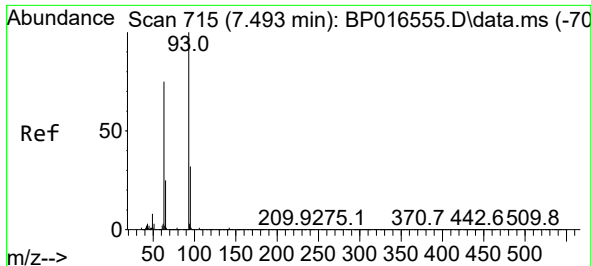
Tgt Ion: 77 Resp: 459282
Ion Ratio Lower Upper
77 100
105 89.9 71.8 107.6
106 88.6 70.2 105.2



#8
Phenol
Concen: 18.301 ng/ul
RT: 7.222 min Scan# 669
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion: 94 Resp: 805382
Ion Ratio Lower Upper
94 100
65 28.6 22.3 33.5
66 36.7 28.7 43.1

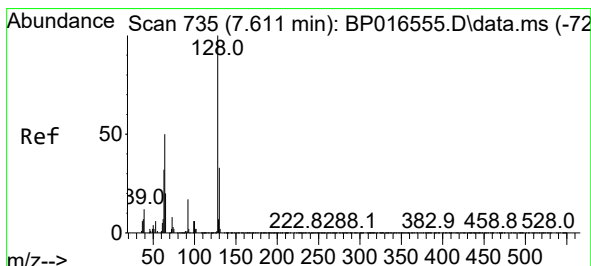
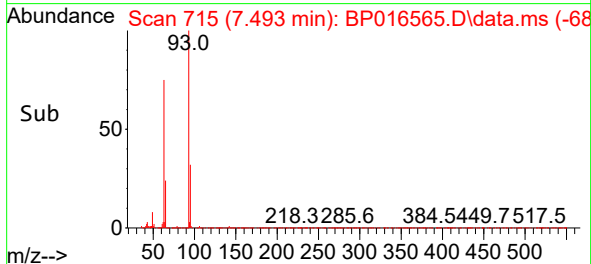
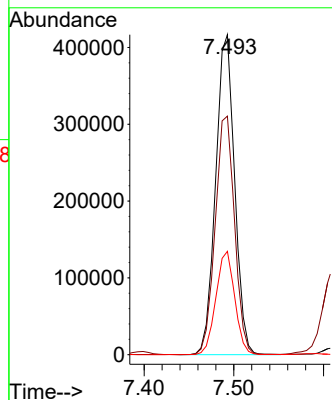
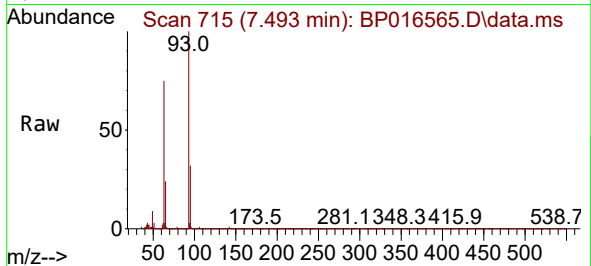




#10
Bis(2-Chloroethyl)ether
Concen: 17.193 ng/ul
RT: 7.493 min Scan# 715
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

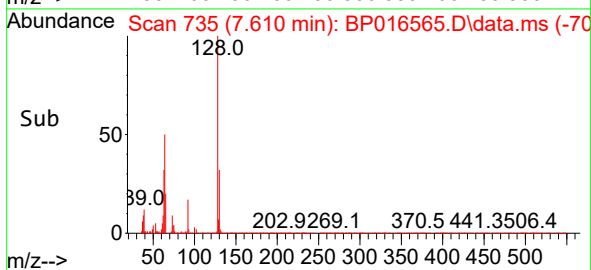
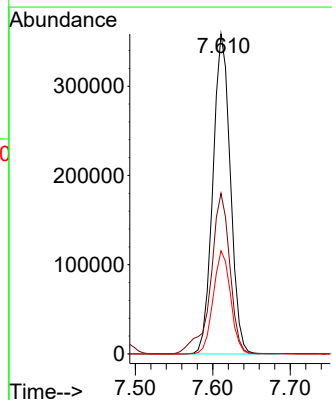
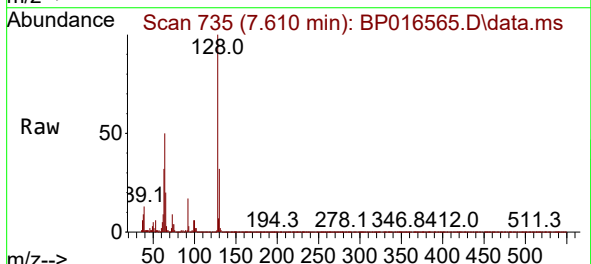
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ClientSampleId :
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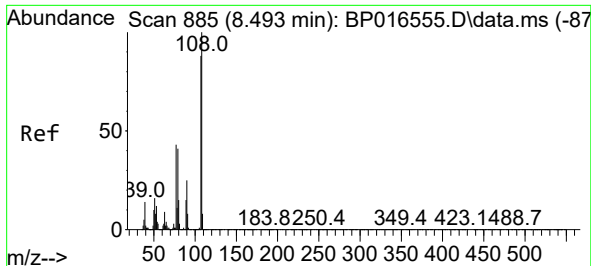
Tgt Ion: 93 Resp: 611165
Ion Ratio Lower Upper
93 100
63 74.5 60.1 90.1
95 32.3 25.4 38.2



#12
2-Chlorophenol
Concen: 18.039 ng/ul
RT: 7.610 min Scan# 735
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:128 Resp: 561306
Ion Ratio Lower Upper
128 100
64 50.2 41.4 62.0
130 32.2 26.0 39.0





#13

2-Methylphenol

Concen: 17.208 ng/ul

RT: 8.493 min Scan# 885

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

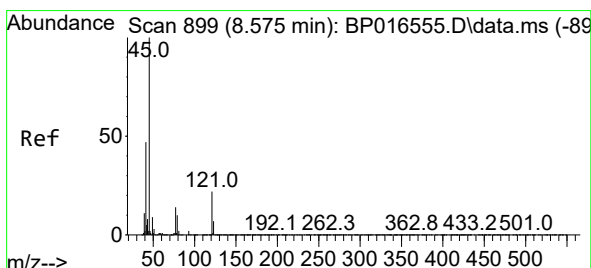
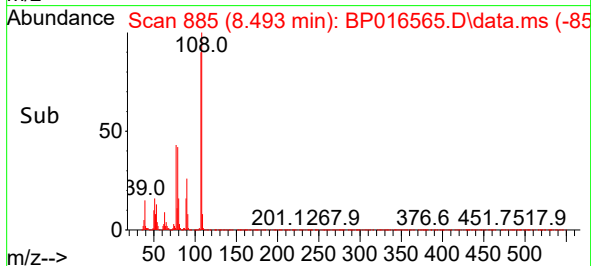
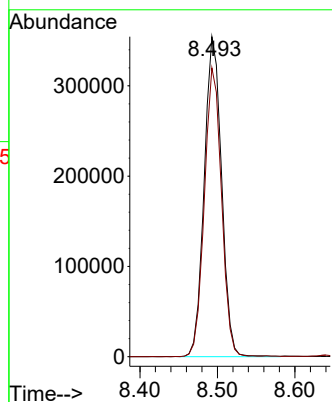
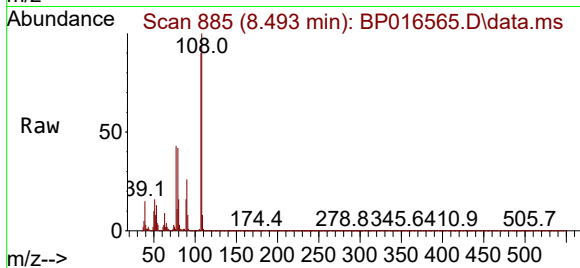
A4832MSD

Tgt Ion:108 Resp: 550062

Ion Ratio Lower Upper

108 100

107 90.3 70.5 105.7



#14

2,2'-oxybis(1-Chloropropane)

Concen: 8.059 ng/ul

RT: 8.575 min Scan# 899

Delta R.T. -0.000 min

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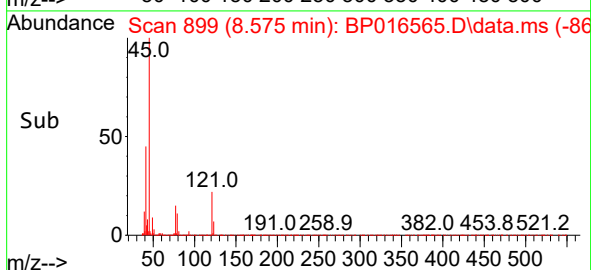
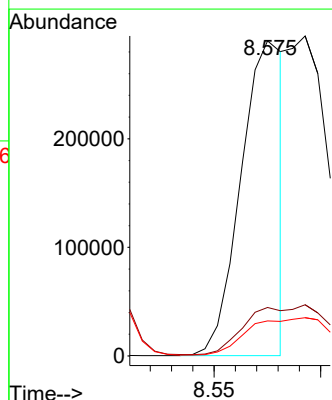
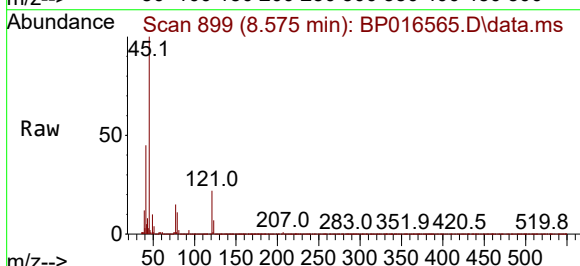
Tgt Ion: 45 Resp: 399210

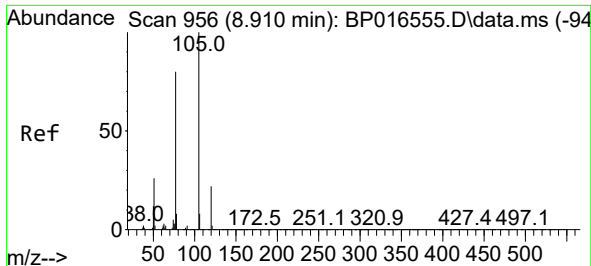
Ion Ratio Lower Upper

45 100

77 15.4 12.1 18.1

79 11.1 8.2 12.4

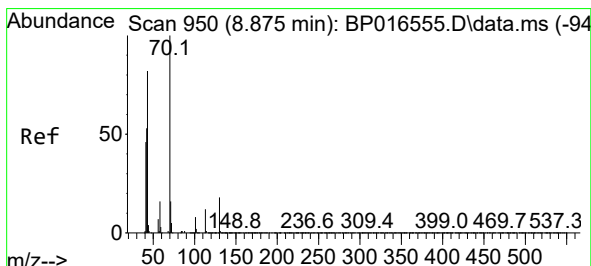
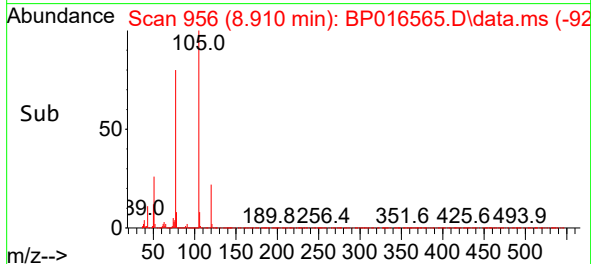
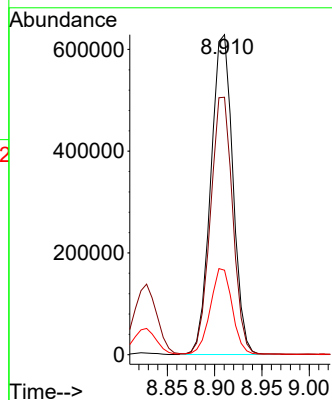
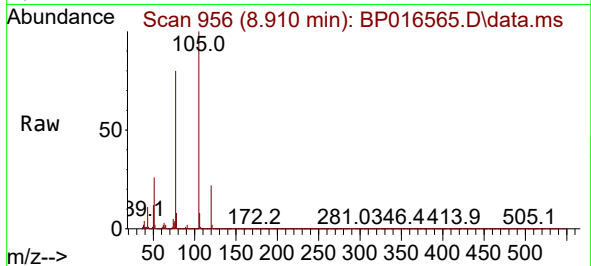




#16
Acetophenone
Concen: 19.319 ng/ul
RT: 8.910 min Scan# 91
Delta R.T. -0.000 min
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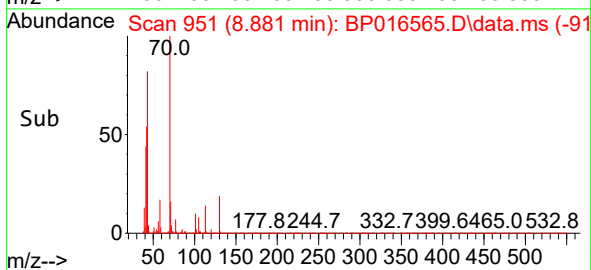
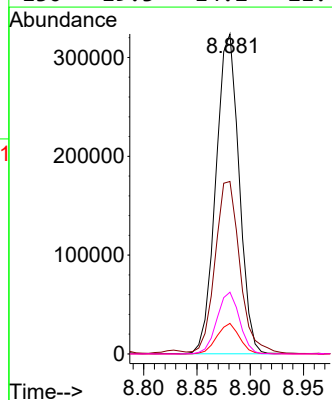
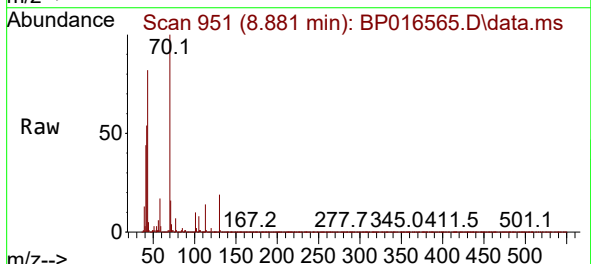
Instrument :
BNA_P
ClientSampleId :
A4832MSD

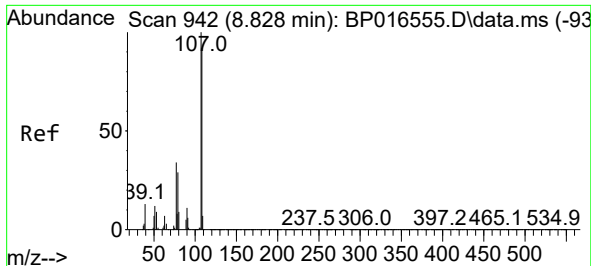
Tgt Ion:105 Resp: 1021385
Ion Ratio Lower Upper
105 100
77 80.5 64.4 96.6
51 26.4 21.2 31.8



#17
N-Nitroso-di-n-propylamine
Concen: 17.286 ng/ul
RT: 8.881 min Scan# 951
Delta R.T. 0.006 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion: 70 Resp: 490144
Ion Ratio Lower Upper
70 100
42 53.9 43.0 64.4
101 9.6 6.8 10.2
130 19.3 14.2 21.4

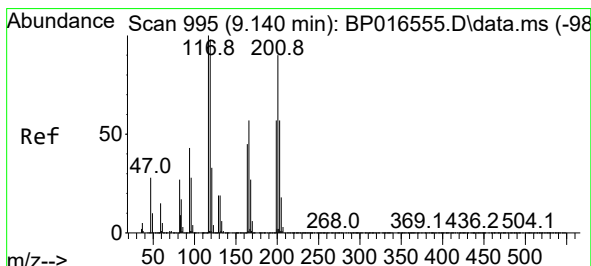
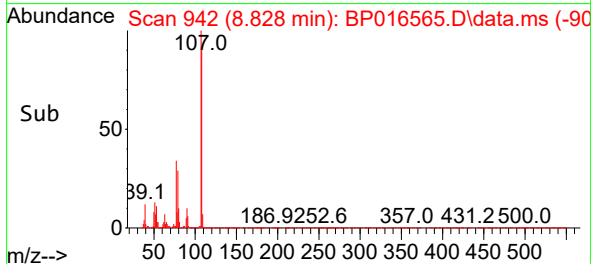
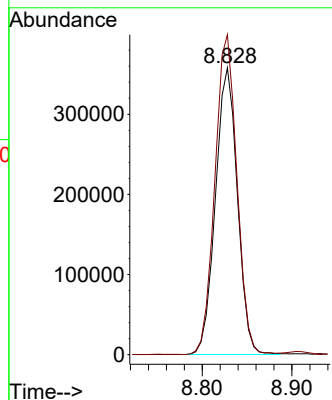
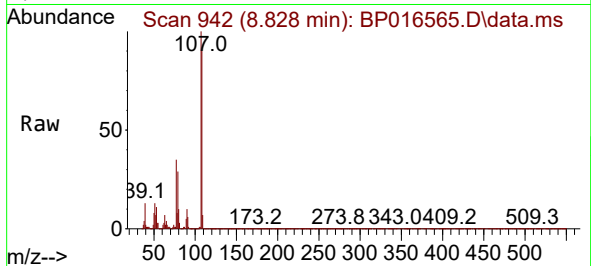




#18
4-Methylphenol
Concen: 17.319 ng/ul
RT: 8.828 min Scan# 941
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

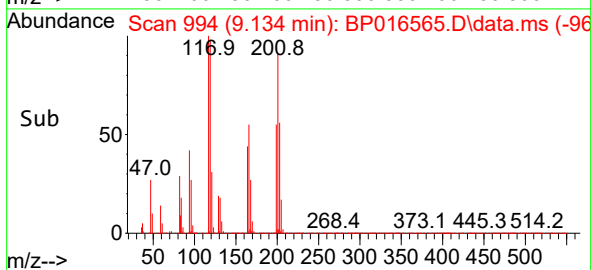
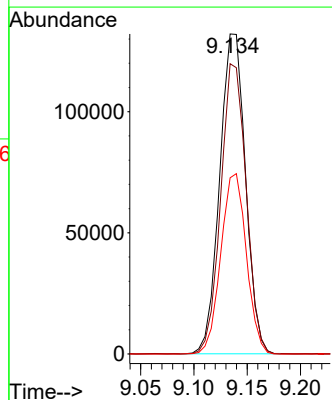
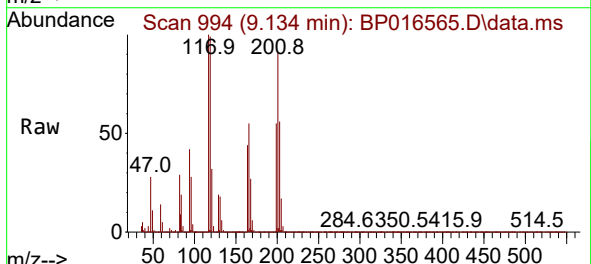
Instrument :
BNA_P
ClientSampleId :
A4832MSD

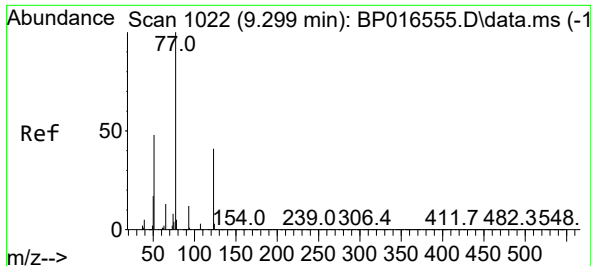
Tgt Ion:108 Resp: 608468
Ion Ratio Lower Upper
108 100
107 111.6 87.3 130.9



#19
Hexachloroethane
Concen: 17.123 ng/ul
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:117 Resp: 222601
Ion Ratio Lower Upper
117 100
201 90.7 71.8 107.6
199 55.1 45.2 67.8

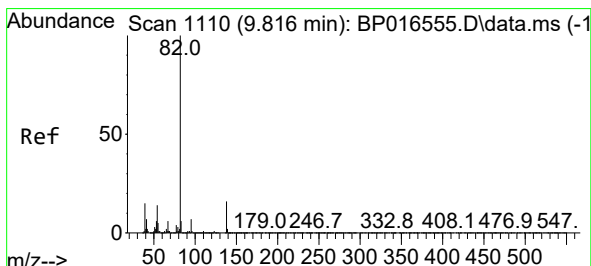
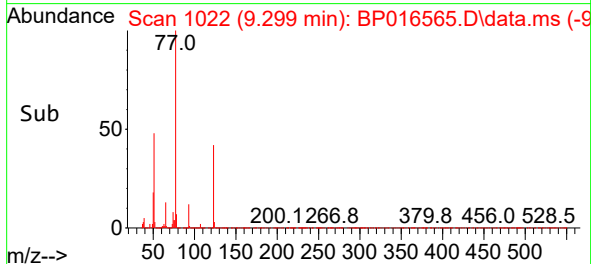
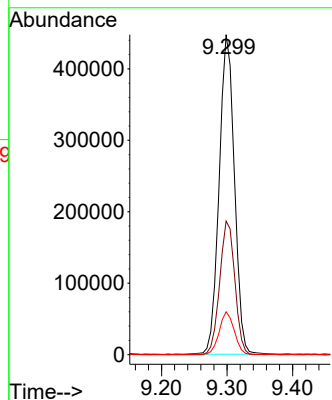
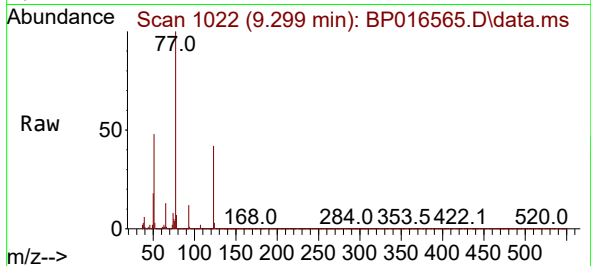




#22
Nitrobenzene
Concen: 18.151 ng/ul
RT: 9.299 min Scan# 110
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

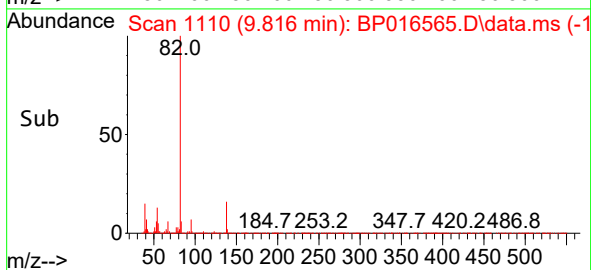
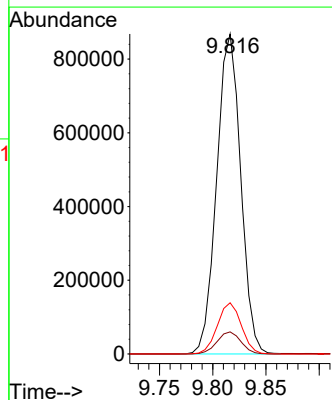
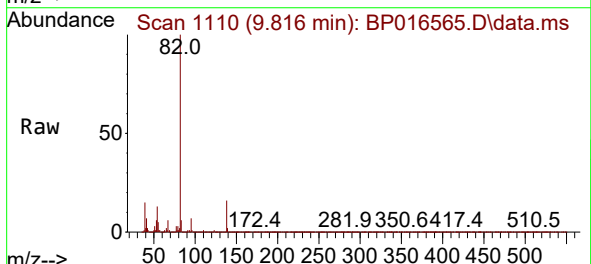
Instrument :
BNA_P
ClientSampleId :
A4832MSD

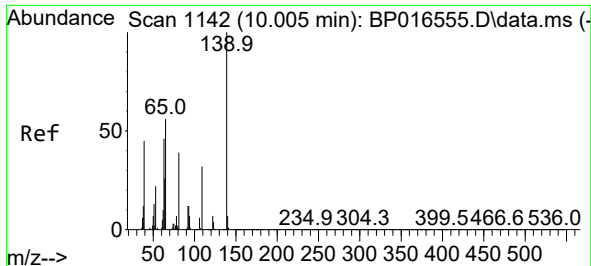
Tgt Ion: 77 Resp: 719267
Ion Ratio Lower Upper
77 100
123 41.7 32.5 48.7
65 13.4 10.3 15.5



#23
Isophorone
Concen: 18.148 ng/ul
RT: 9.816 min Scan# 1110
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion: 82 Resp: 1358294
Ion Ratio Lower Upper
82 100
95 6.9 5.3 7.9
138 16.0 12.7 19.1

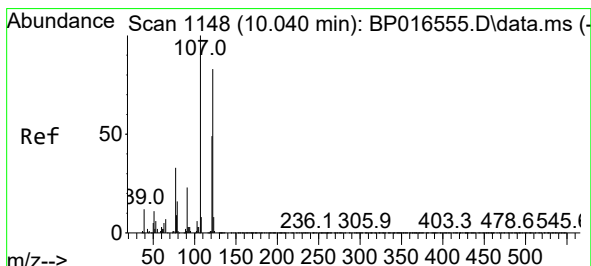
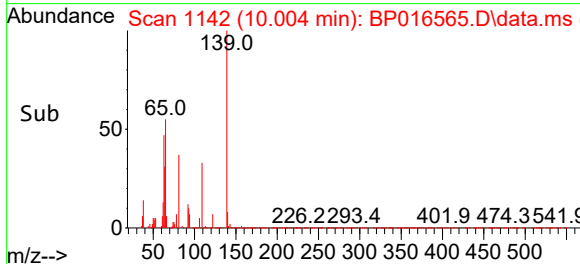
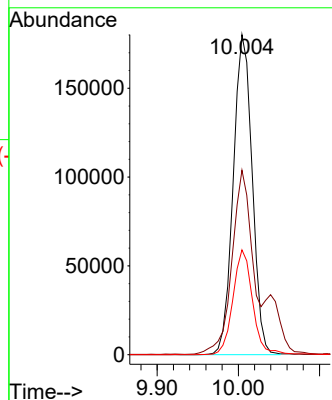
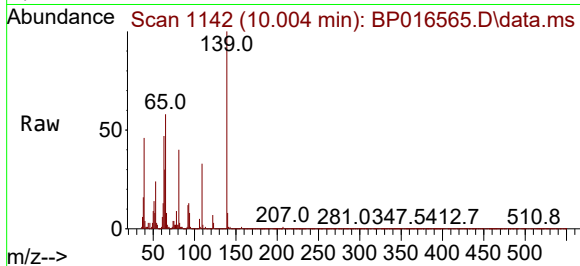




#25
2-Nitrophenol
Concen: 19.004 ng/ul
RT: 10.004 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

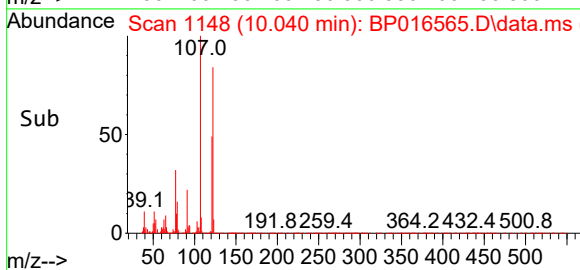
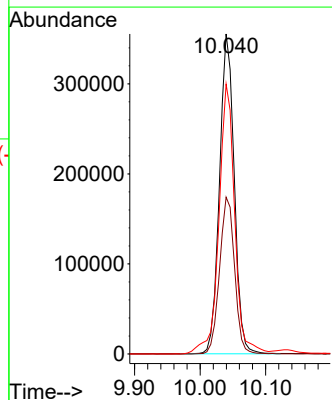
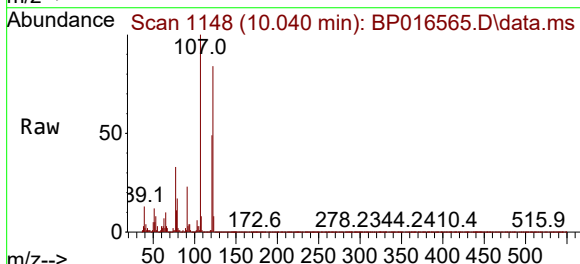
Instrument :
BNA_P
ClientSampleId :
A4832MSD

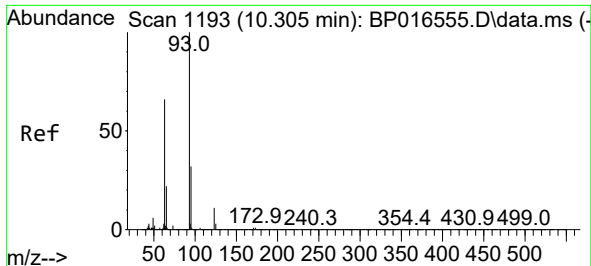
Tgt Ion:139 Resp: 292088
Ion Ratio Lower Upper
139 100
65 57.6 46.4 69.6
109 32.8 25.3 37.9



#26
2,4-Dimethylphenol
Concen: 15.245 ng/ul
RT: 10.040 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:107 Resp: 552393
Ion Ratio Lower Upper
107 100
121 49.0 39.1 58.7
122 84.4 66.9 100.3

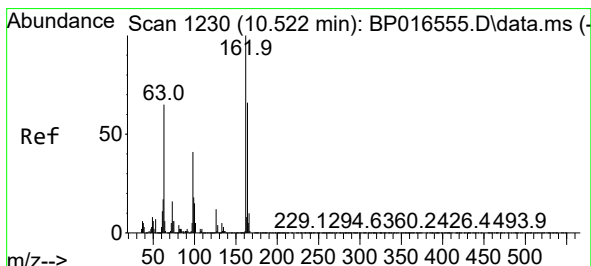
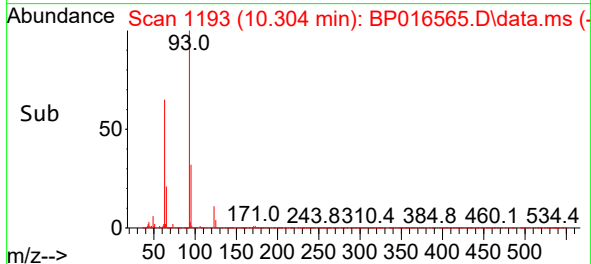
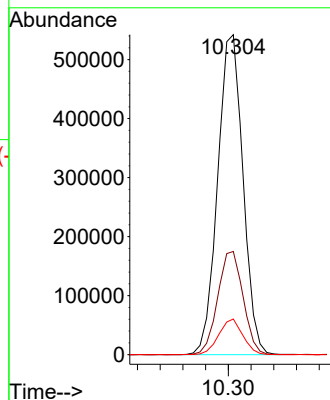
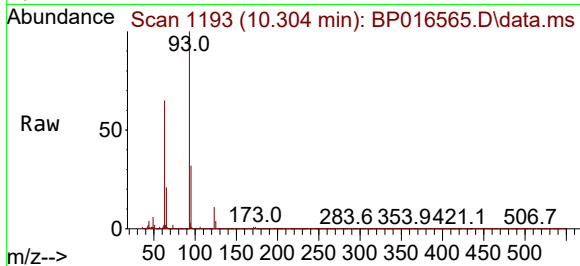




#27
Bis(2-Chloroethoxy)methane
Concen: 17.484 ng/ul
RT: 10.304 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

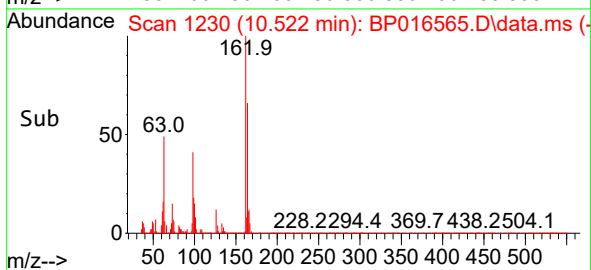
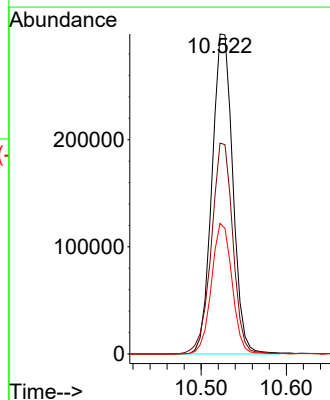
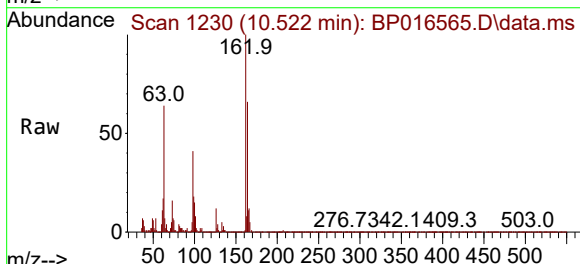
Instrument :
BNA_P
ClientSampleId :
A4832MSD

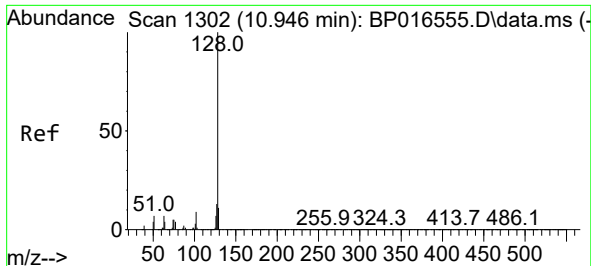
Tgt Ion: 93 Resp: 838842
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.8
123 11.2 8.7 13.1



#29
2,4-Dichlorophenol
Concen: 18.665 ng/ul
RT: 10.522 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion: 162 Resp: 508090
Ion Ratio Lower Upper
162 100
164 65.9 52.9 79.3
98 40.8 32.7 49.1

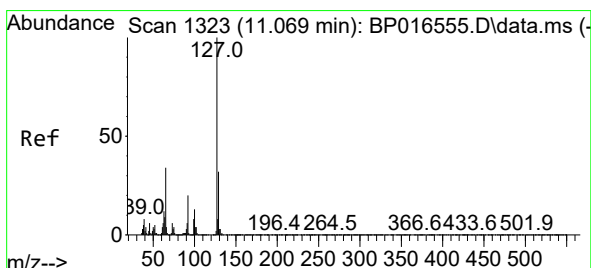
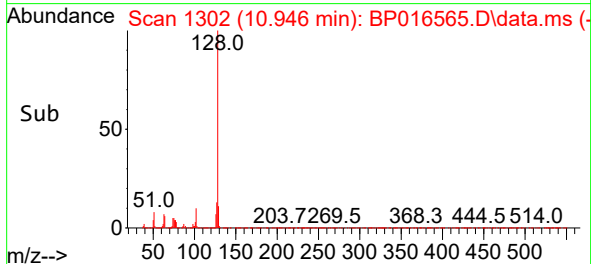
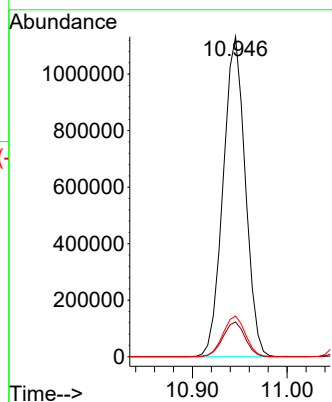
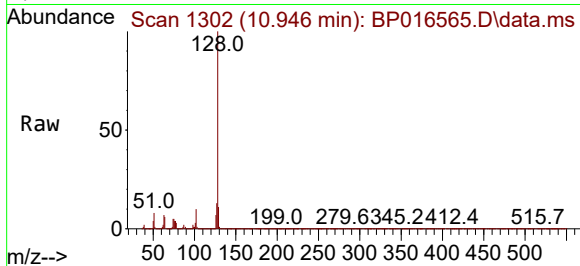




#30
Naphthalene
Concen: 17.500 ng/ul
RT: 10.946 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

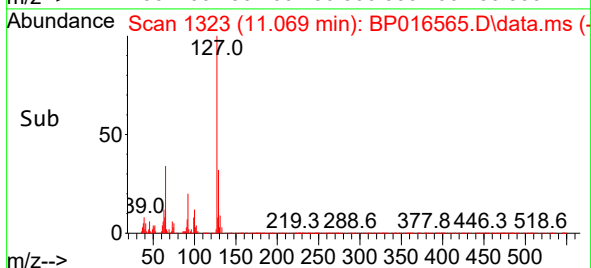
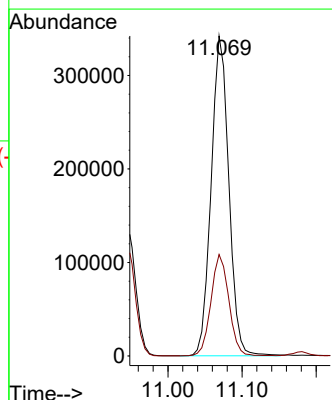
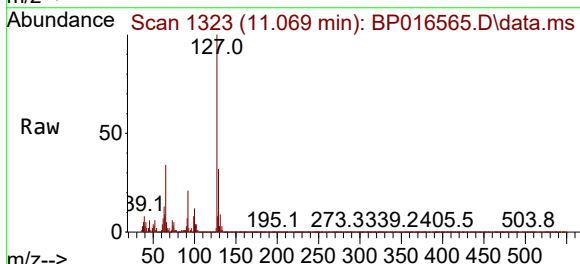
Instrument :
BNA_P
ClientSampleId :
A4832MSD

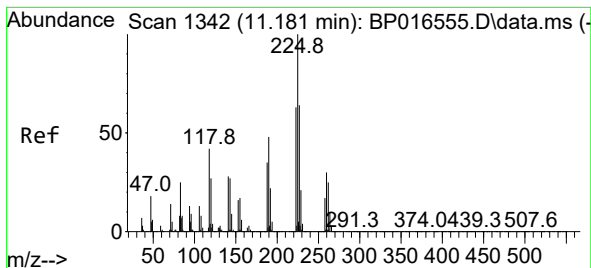
Tgt Ion:128 Resp: 1839387
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.7 10.3 15.5



#32
4-Chloroaniline
Concen: 12.612 ng/ul
RT: 11.069 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:127 Resp: 566958
Ion Ratio Lower Upper
127 100
129 31.7 25.6 38.4





#33

Hexachlorobutadiene

Concen: 17.541 ng/ul

RT: 11.181 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

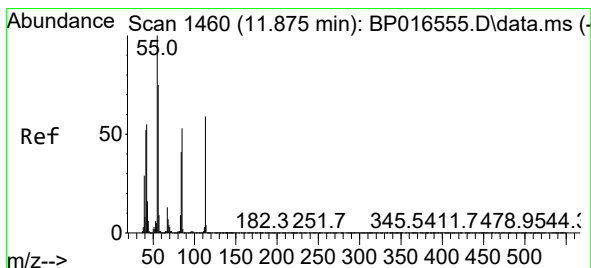
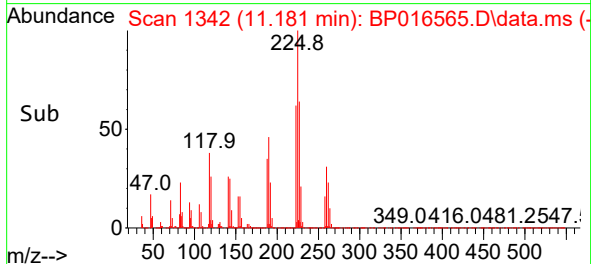
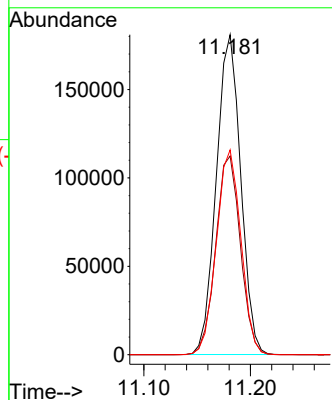
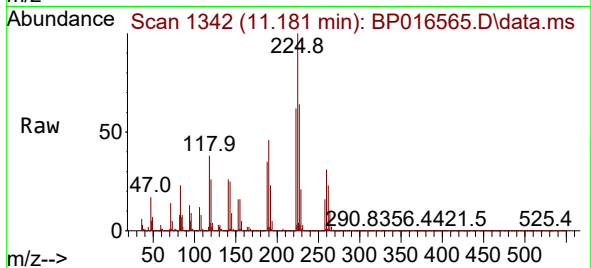
Tgt Ion:225 Resp: 287850

Ion Ratio Lower Upper

225 100

223 62.1 50.2 75.2

227 64.0 50.8 76.2



#34

Caprolactam

Concen: 16.988 ng/ul

RT: 11.881 min Scan# 1461

Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

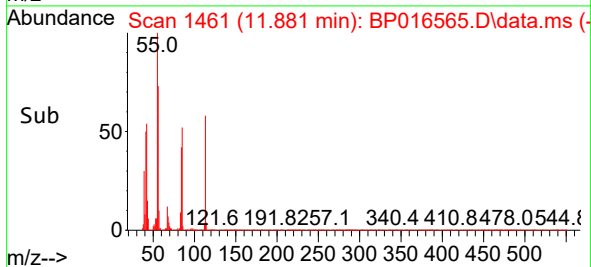
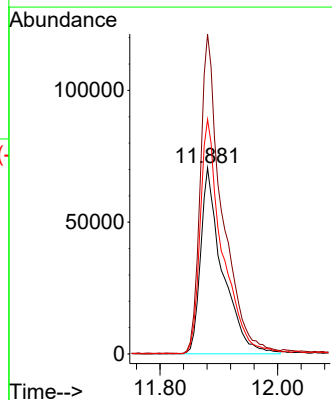
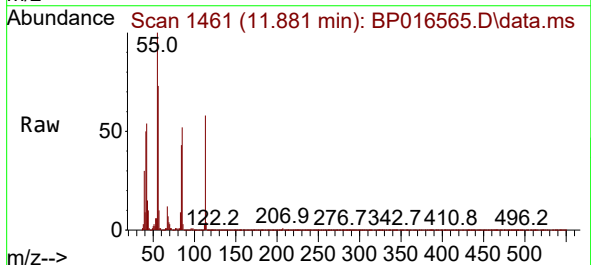
Tgt Ion:113 Resp: 181637

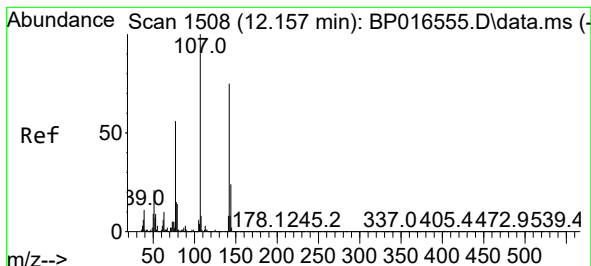
Ion Ratio Lower Upper

113 100

55 172.0 134.8 202.2

56 126.1 101.5 152.3

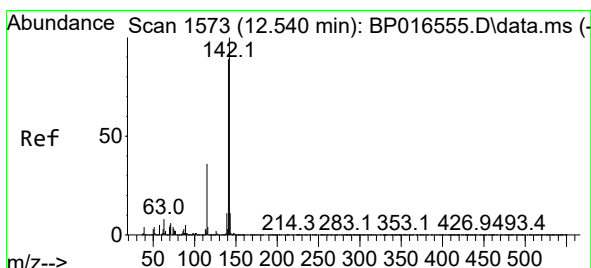
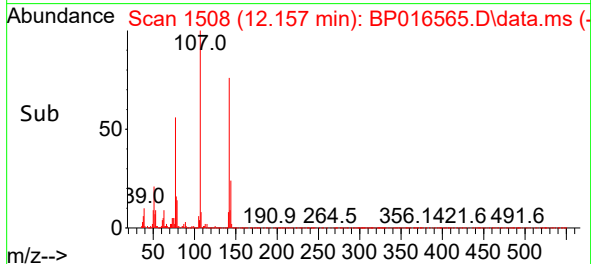
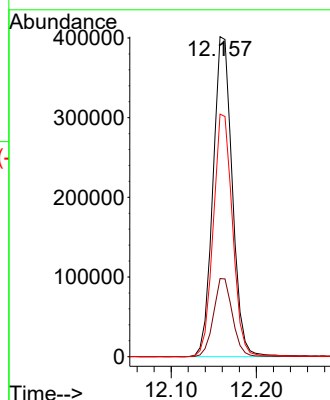
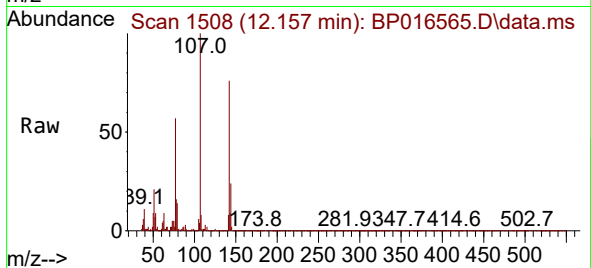




#35
4-Chloro-3-methylphenol
Concen: 18.952 ng/ul
RT: 12.157 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

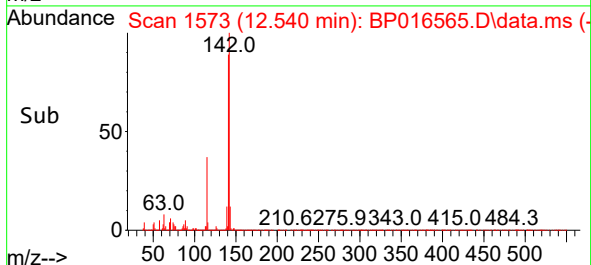
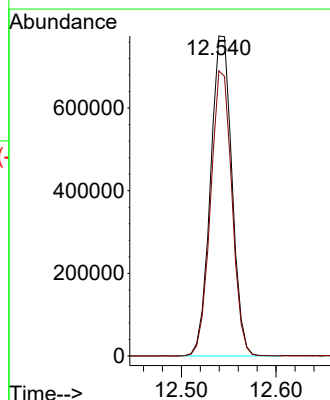
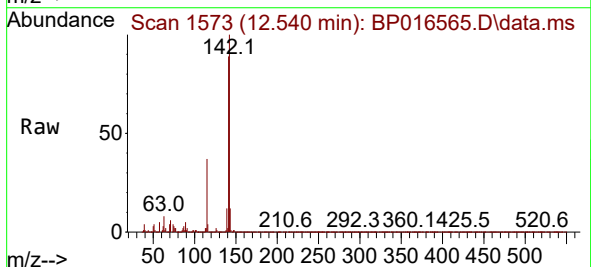
Instrument :
BNA_P
ClientSampleId :
A4832MSD

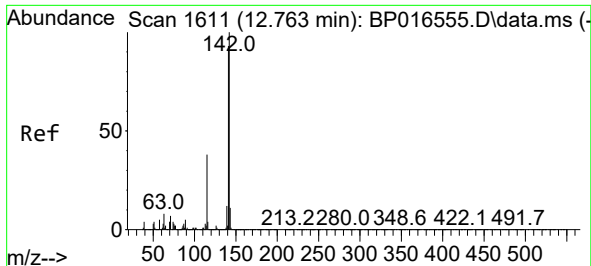
Tgt Ion:107 Resp: 630625
Ion Ratio Lower Upper
107 100
144 24.4 19.0 28.6
142 75.8 60.2 90.4



#36
2-Methylnaphthalene
Concen: 17.312 ng/ul
RT: 12.540 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:142 Resp: 1218884
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0

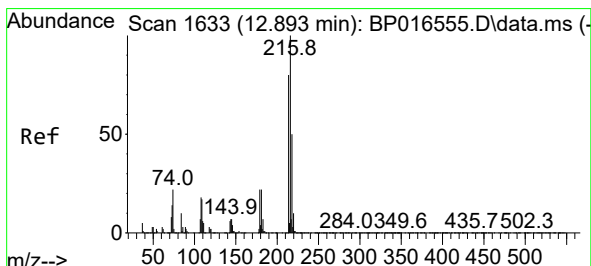
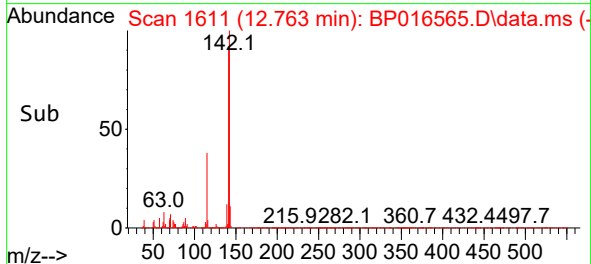
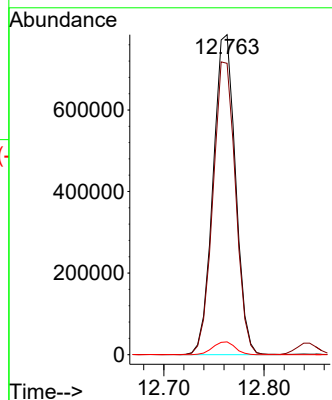
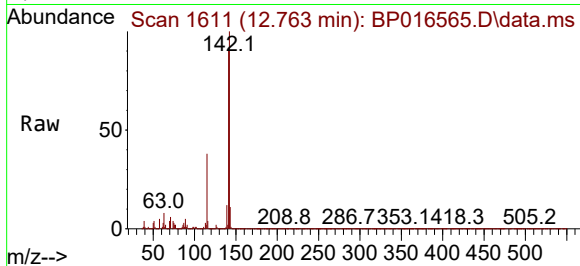




#37
1-Methylnaphthalene
Concen: 17.192 ng/ul
RT: 12.763 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

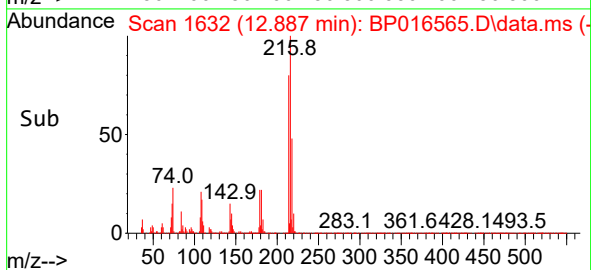
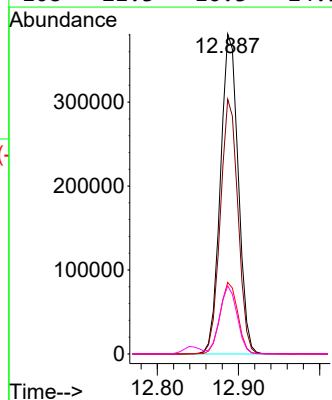
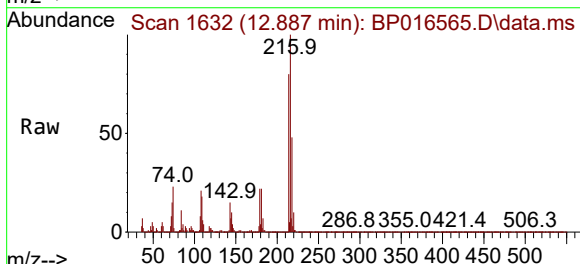
Instrument :
BNA_P
ClientSampleId :
A4832MSD

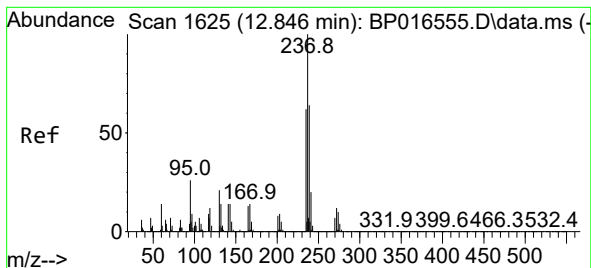
Tgt Ion:142 Resp: 1218801
Ion Ratio Lower Upper
142 100
141 91.1 74.5 111.7
116 4.0 3.0 4.4



#39
1,2,4,5-Tetrachlorobenzene
Concen: 18.006 ng/ul
RT: 12.887 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:216 Resp: 581840
Ion Ratio Lower Upper
216 100
214 79.6 63.8 95.6
179 22.3 17.9 26.9
108 21.3 16.3 24.5





#40

Hexachlorocyclopentadiene

Concen: 14.886 ng/ul

RT: 12.845 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

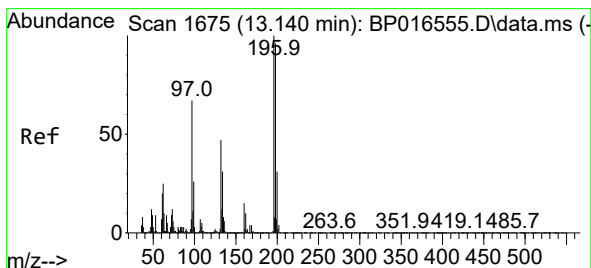
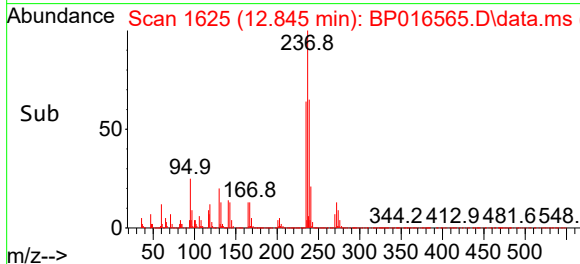
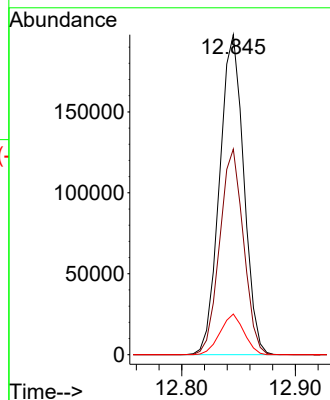
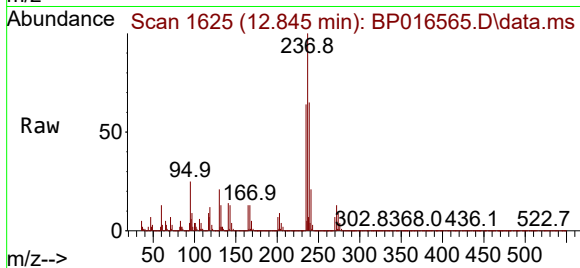
Tgt Ion:237 Resp: 292683

Ion Ratio Lower Upper

237 100

235 64.2 49.7 74.5

272 12.7 9.8 14.8



#41

2,4,6-Trichlorophenol

Concen: 19.550 ng/ul

RT: 13.140 min Scan# 1675

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

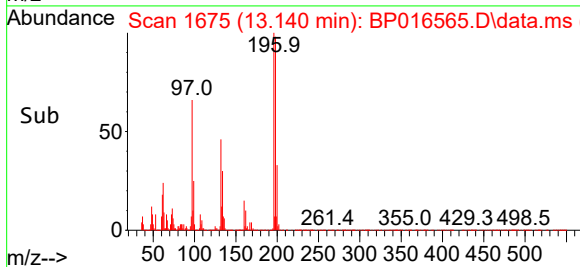
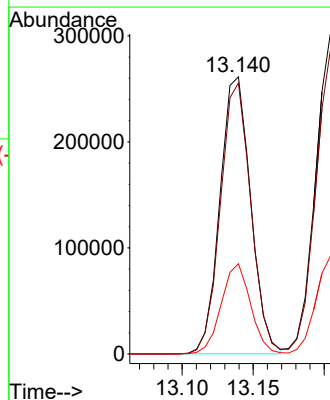
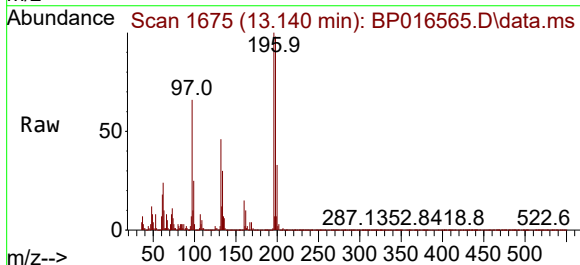
Tgt Ion:196 Resp: 393165

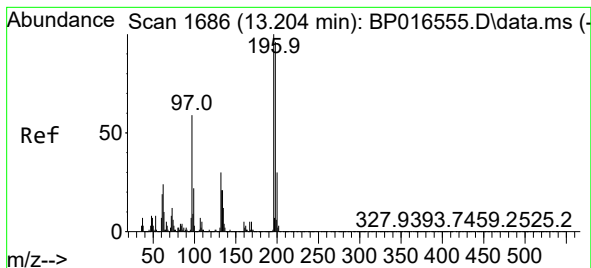
Ion Ratio Lower Upper

196 100

198 97.7 77.0 115.4

200 32.6 24.9 37.3





#42

2,4,5-Trichlorophenol

Concen: 20.431 ng/ul

RT: 13.204 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

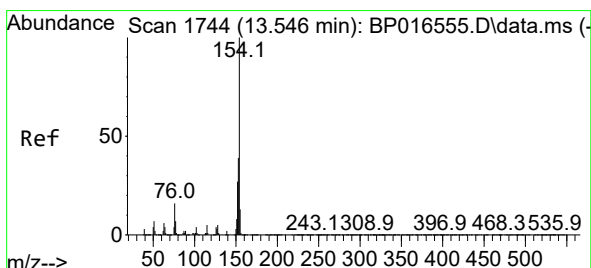
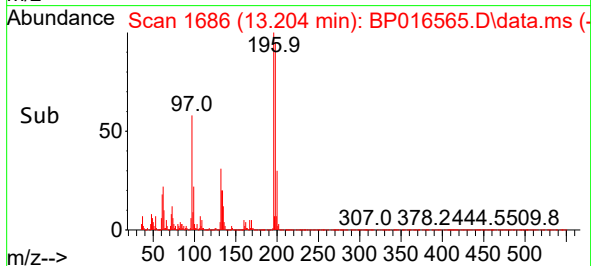
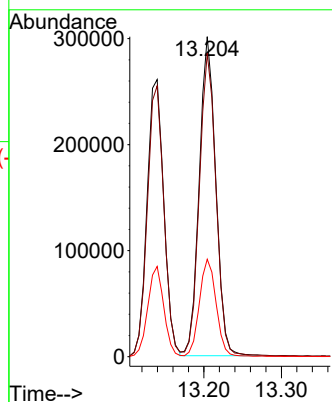
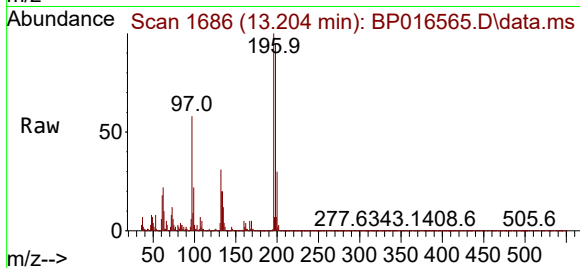
Tgt Ion:196 Resp: 445376

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: 18.132 ng/ul

RT: 13.545 min Scan# 1744

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

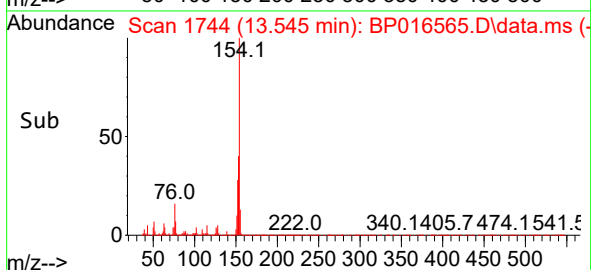
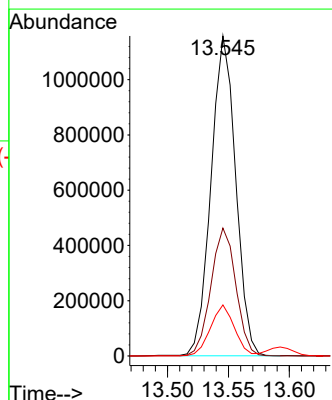
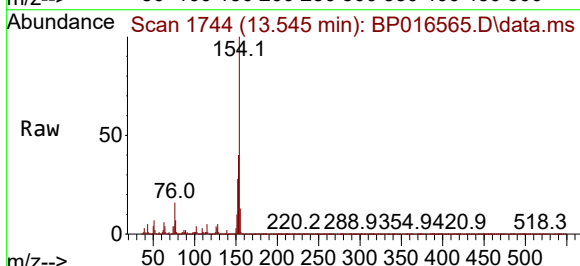
Tgt Ion:154 Resp: 1628288

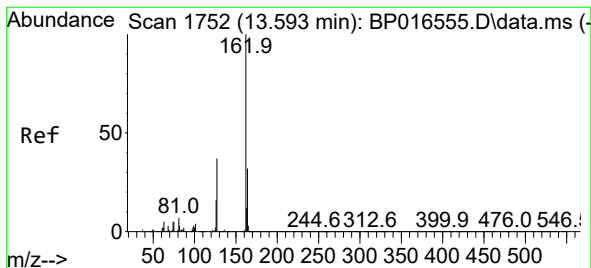
Ion Ratio Lower Upper

154 100

153 40.0 31.4 47.2

76 15.9 13.0 19.4

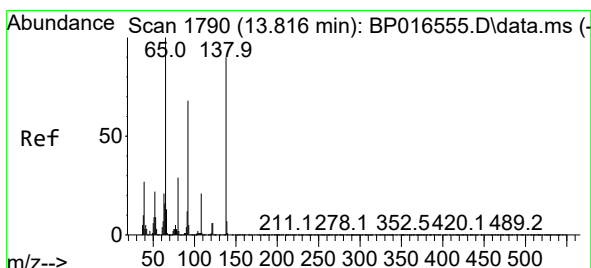
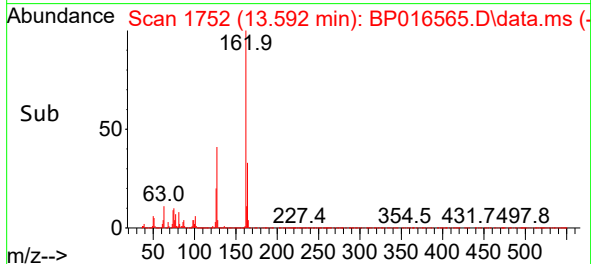
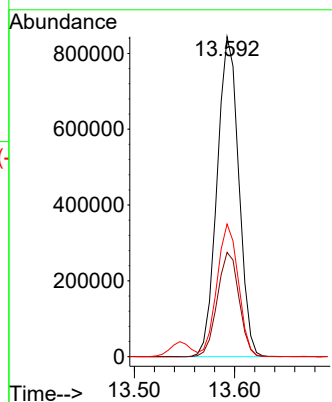
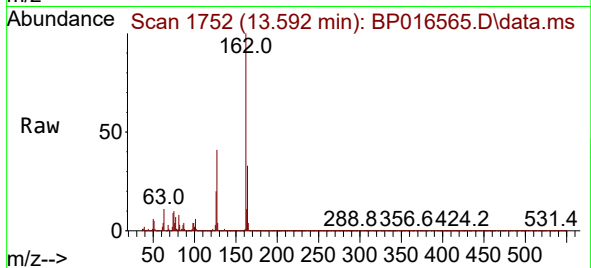




#44
2-Chloronaphthalene
Concen: 18.089 ng/ul
RT: 13.592 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

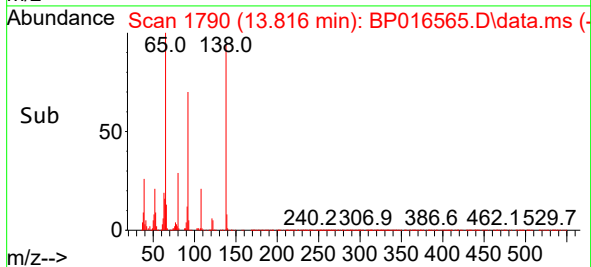
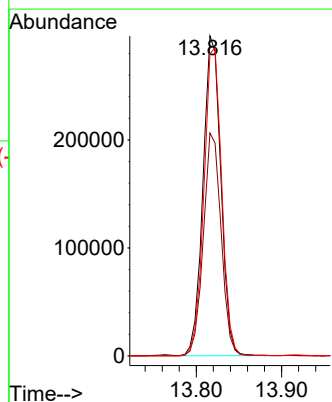
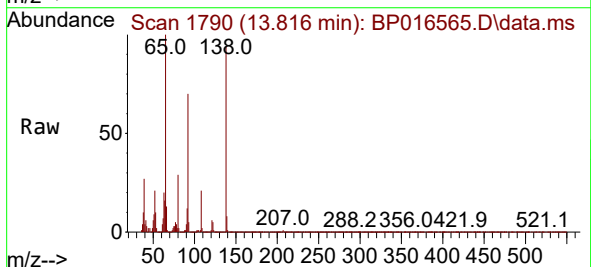
Instrument :
BNA_P
ClientSampleId :
A4832MSD

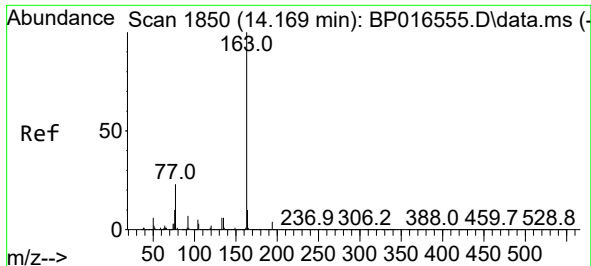
Tgt Ion:162 Resp: 1263901
Ion Ratio Lower Upper
162 100
164 32.6 25.8 38.6
127 41.5 32.9 49.3



#45
2-Nitroaniline
Concen: 20.334 ng/ul
RT: 13.816 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion: 65 Resp: 429584
Ion Ratio Lower Upper
65 100
92 69.6 54.5 81.7
138 94.5 72.1 108.1

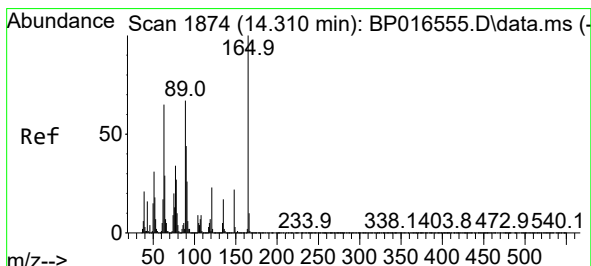
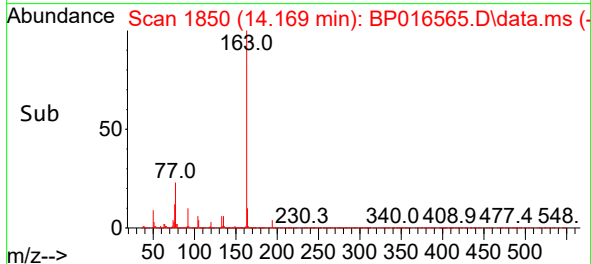
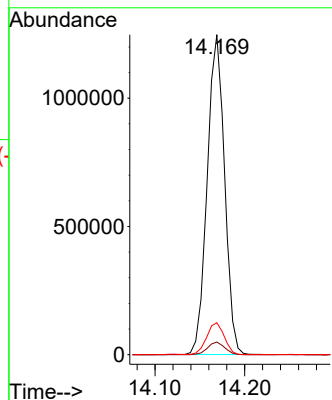
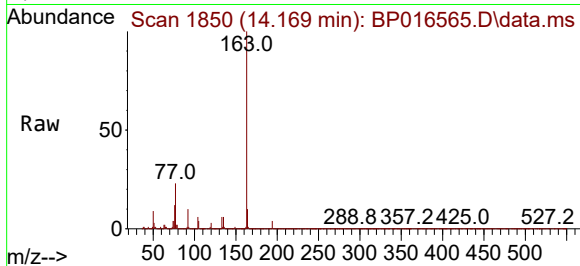




#47
Dimethylphthalate
Concen: 18.756 ng/ul
RT: 14.169 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

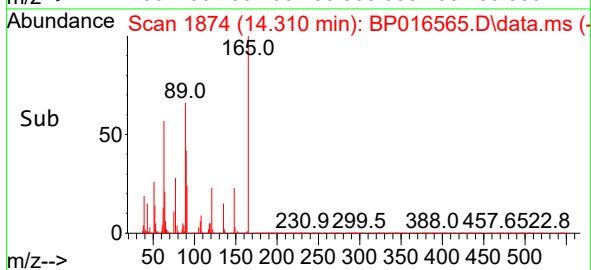
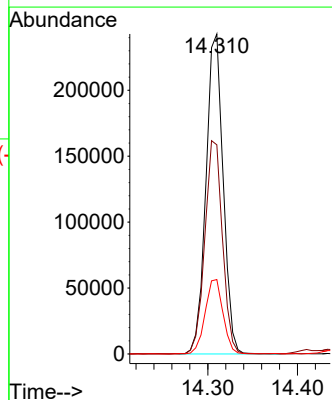
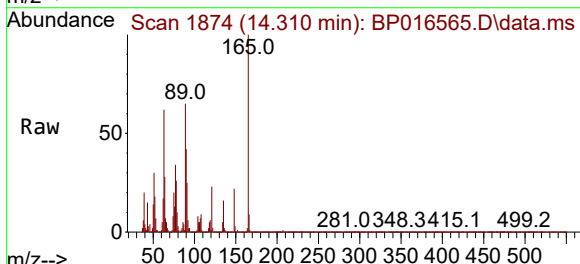
Instrument :
BNA_P
ClientSampleId :
A4832MSD

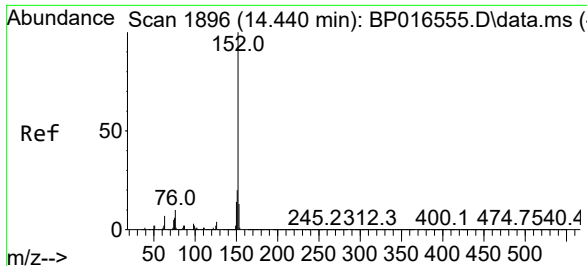
Tgt Ion:163 Resp: 1675761
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.0 7.8 11.8



#48
2,6-Dinitrotoluene
Concen: 20.888 ng/ul
RT: 14.310 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:165 Resp: 323243
Ion Ratio Lower Upper
165 100
89 65.4 53.2 79.8
121 23.3 18.8 28.2

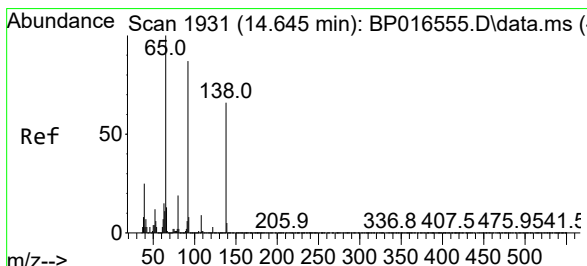
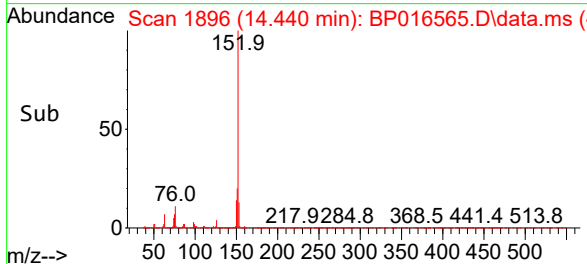
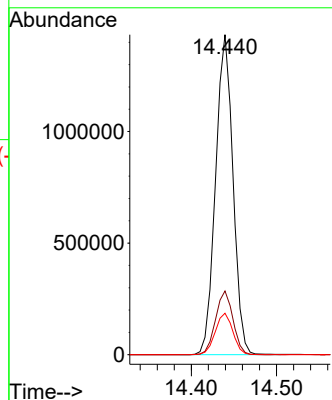
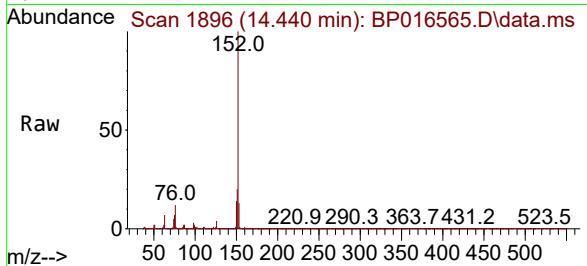




#50
Acenaphthylene
Concen: 17.512 ng/ul
RT: 14.440 min Scan# 1896
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

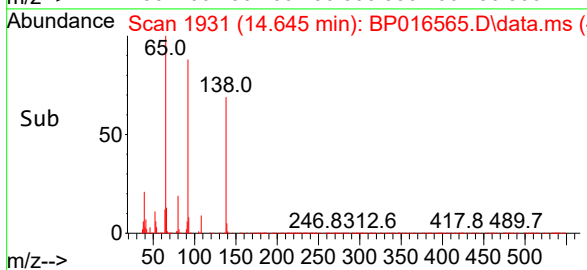
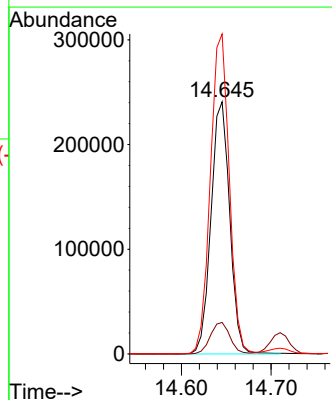
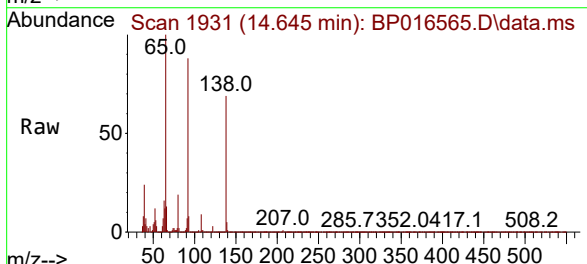
Instrument :
BNA_P
ClientSampleId :
A4832MSD

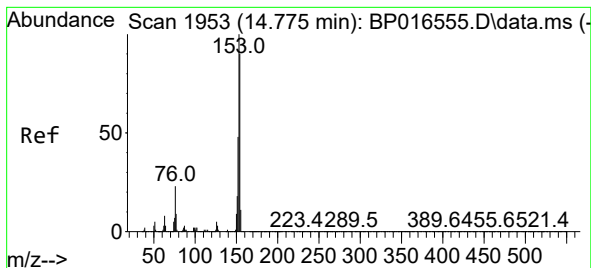
Tgt Ion:152 Resp: 2034097
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.0 10.6 15.8



#51
3-Nitroaniline
Concen: 20.104 ng/ul
RT: 14.645 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:138 Resp: 348843
Ion Ratio Lower Upper
138 100
108 12.5 10.9 16.3
92 126.9 105.0 157.6





#52

Acenaphthene

Concen: 18.044 ng/ul

RT: 14.775 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

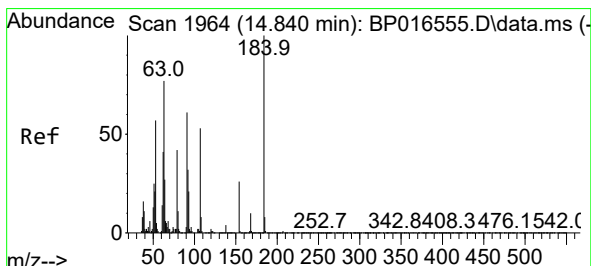
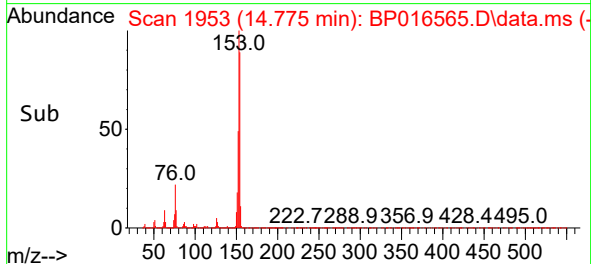
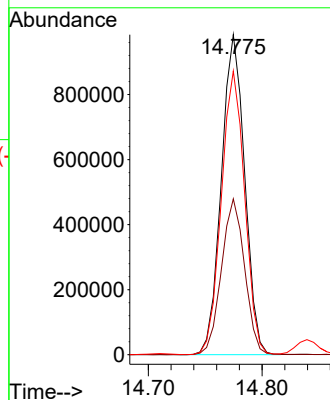
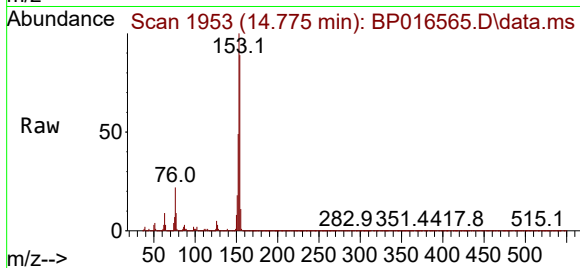
Tgt Ion:153 Resp: 1402968

Ion Ratio Lower Upper

153 100

152 48.7 38.7 58.1

154 88.7 72.0 108.0



#53

2,4-Dinitrophenol

Concen: 11.082 ng/ul

RT: 14.839 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

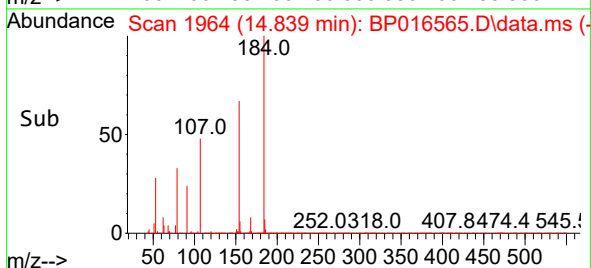
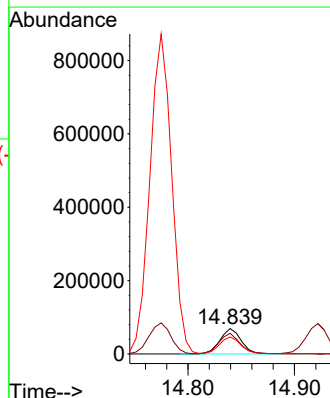
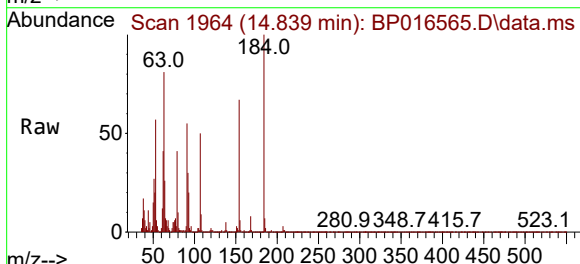
Tgt Ion:184 Resp: 95467

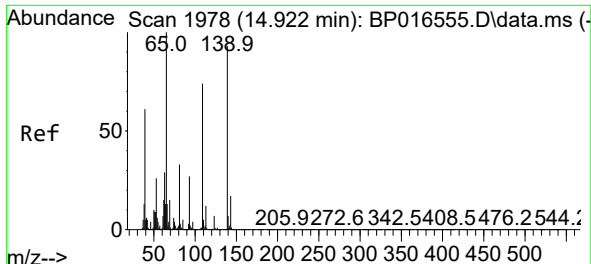
Ion Ratio Lower Upper

184 100

63 81.2 65.0 97.6

154 66.7 56.2 84.2

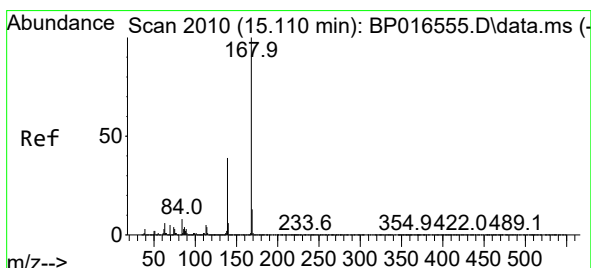
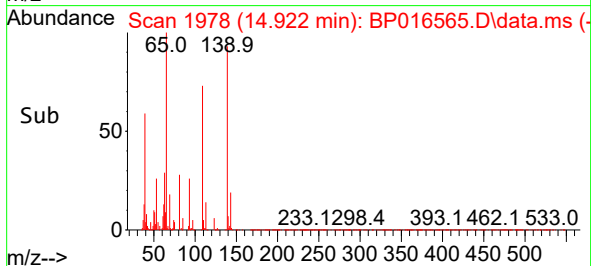
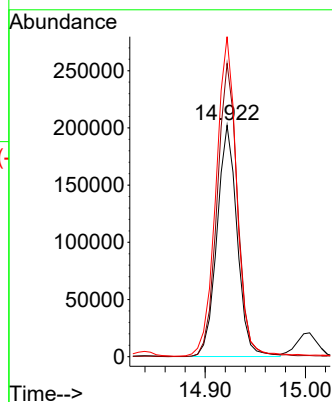
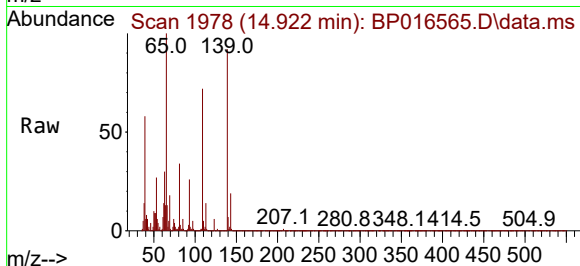




#55
4-Nitrophenol
Concen: 19.497 ng/ul
RT: 14.922 min Scan# 1978
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

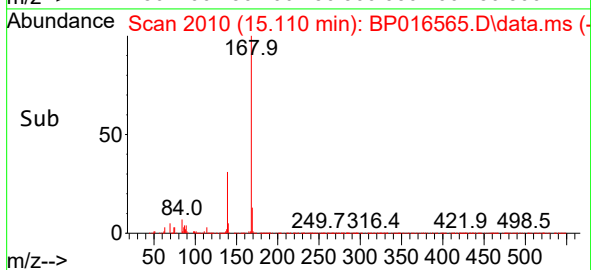
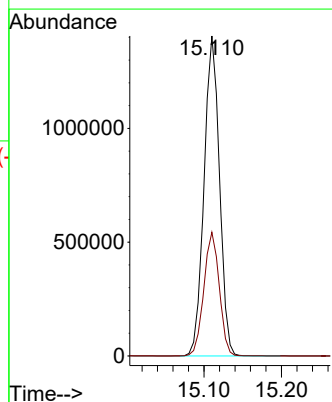
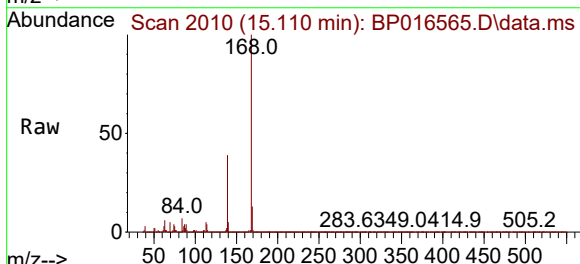
Instrument :
BNA_P
ClientSampleId :
A4832MSD

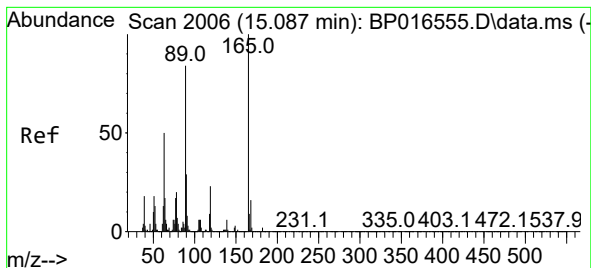
Tgt Ion:109 Resp: 282160
Ion Ratio Lower Upper
109 100
139 126.7 101.1 151.7
65 138.3 108.9 163.3



#56
Dibenzofuran
Concen: 18.313 ng/ul
RT: 15.110 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:168 Resp: 1942759
Ion Ratio Lower Upper
168 100
139 38.6 31.4 47.0

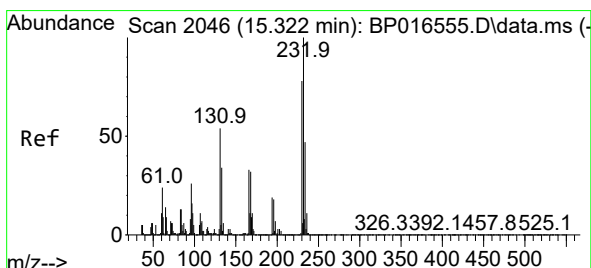
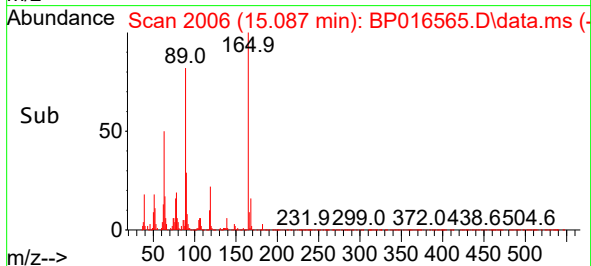
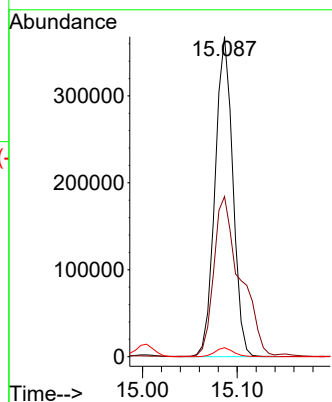
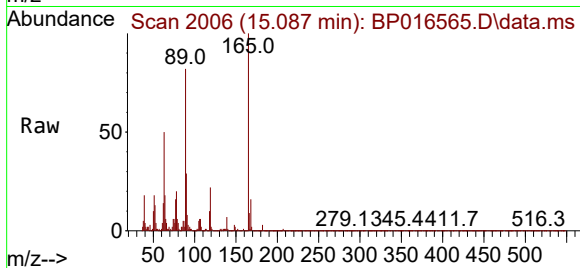




#57
2,4-Dinitrotoluene
Concen: 20.763 ng/ul
RT: 15.087 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

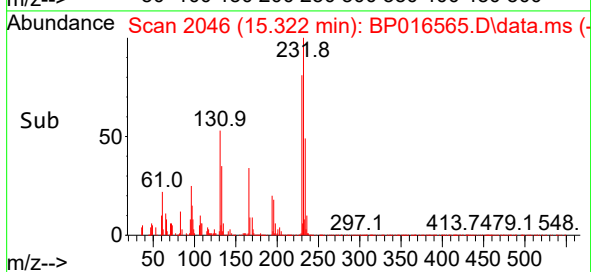
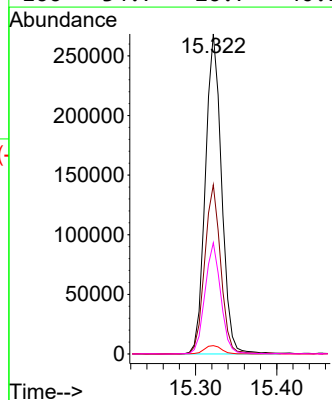
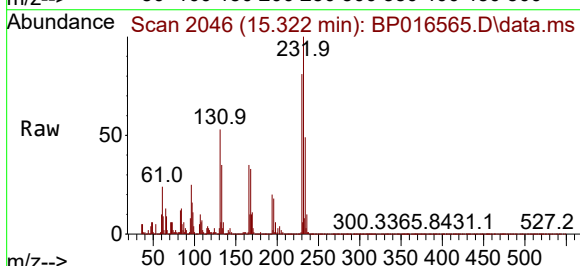
Instrument :
BNA_P
ClientSampleId :
A4832MSD

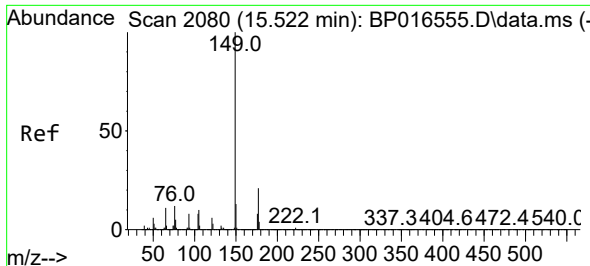
Tgt Ion:165 Resp: 481165
Ion Ratio Lower Upper
165 100
63 50.1 40.4 60.6
182 2.8 1.9 2.9



#58
2,3,4,6-Tetrachlorophenol
Concen: 20.358 ng/ul
RT: 15.322 min Scan# 2046
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:232 Resp: 371820
Ion Ratio Lower Upper
232 100
131 52.9 42.9 64.3
130 2.6 2.2 3.4
166 34.7 26.7 40.1

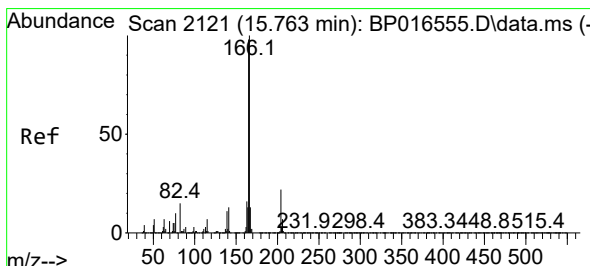
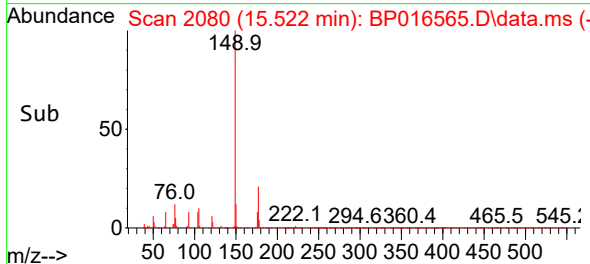
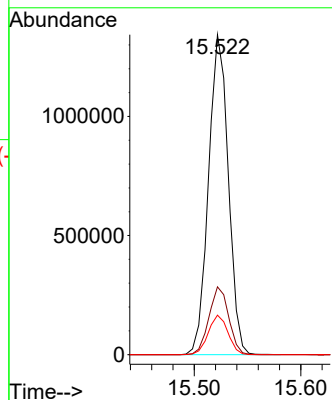
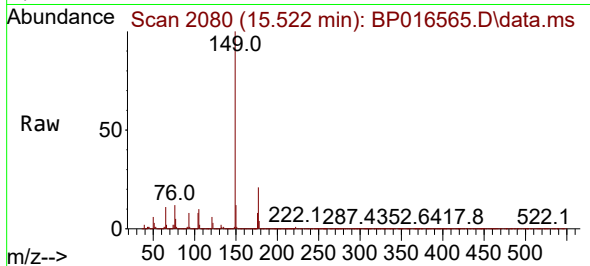




#59
Diethylphthalate
Concen: 18.955 ng/ul
RT: 15.522 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

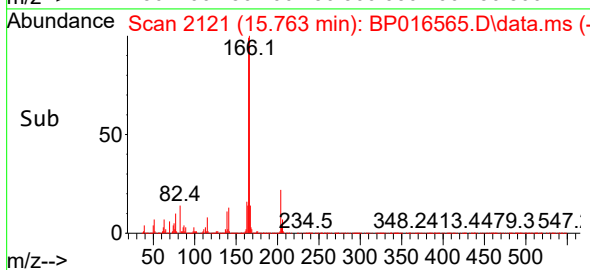
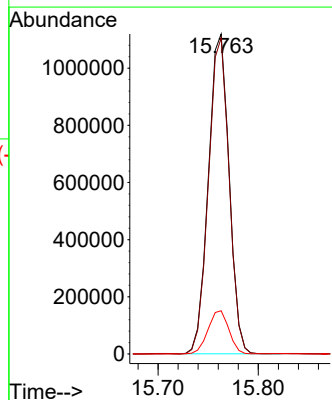
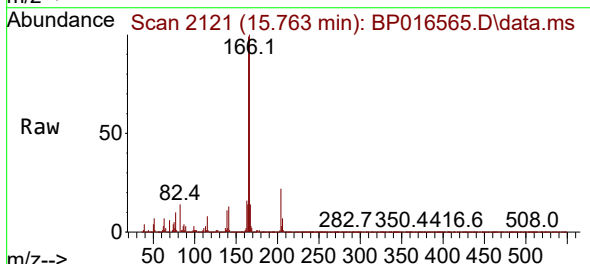
Instrument :
BNA_P
ClientSampleId :
A4832MSD

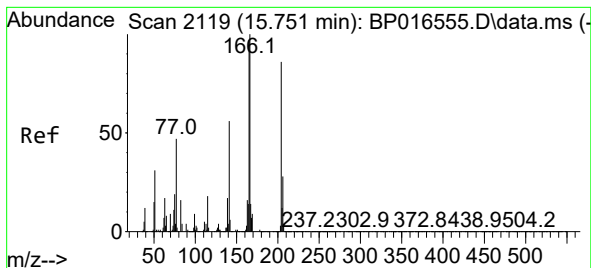
Tgt Ion:149 Resp: 1731509
Ion Ratio Lower Upper
149 100
177 21.2 16.5 24.7
150 12.4 10.0 15.0



#61
Fluorene
Concen: 18.524 ng/ul
RT: 15.763 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:166 Resp: 1611342
Ion Ratio Lower Upper
166 100
165 98.8 78.3 117.5
167 13.5 10.8 16.2

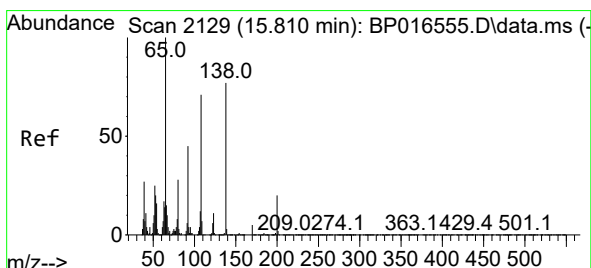
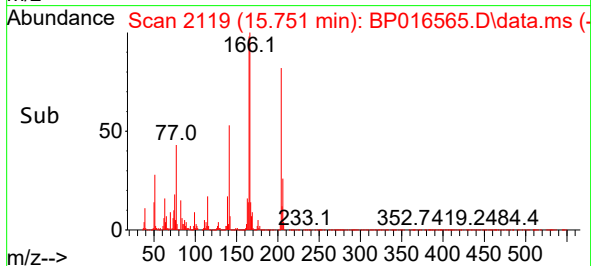
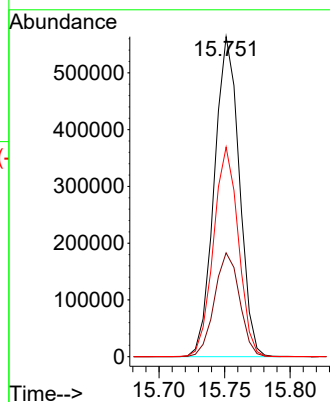
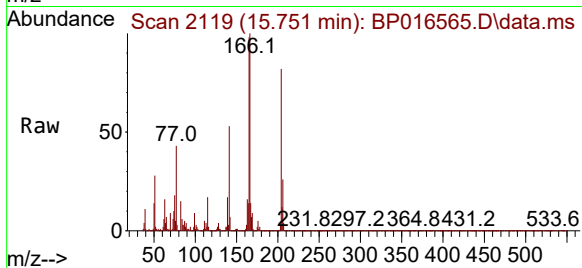




#62
4-Chlorophenyl-phenylether
Concen: 18.286 ng/ul
RT: 15.751 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

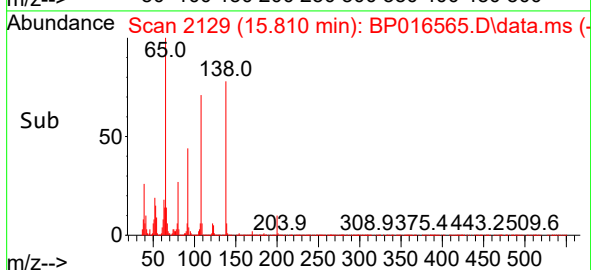
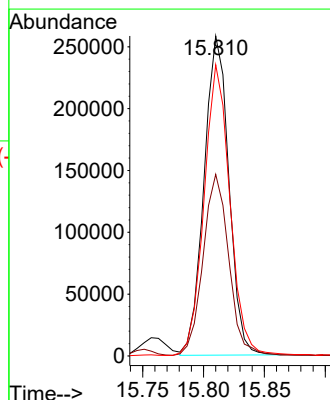
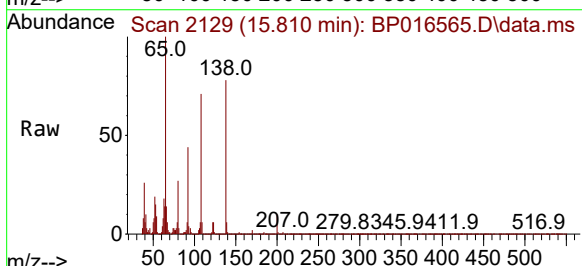
Instrument :
BNA_P
ClientSampleId :
A4832MSD

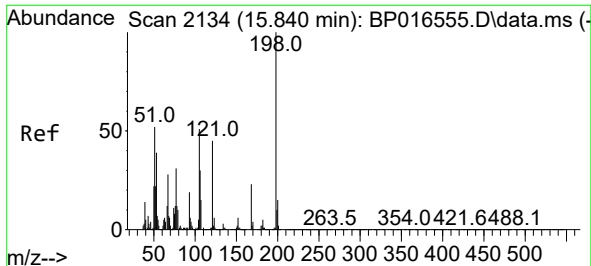
Tgt Ion:204 Resp: 746677
Ion Ratio Lower Upper
204 100
206 32.4 25.5 38.3
141 65.5 52.2 78.2



#63
4-Nitroaniline
Concen: 22.037 ng/ul
RT: 15.810 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:138 Resp: 365941
Ion Ratio Lower Upper
138 100
92 56.7 46.7 70.1
108 91.0 73.7 110.5

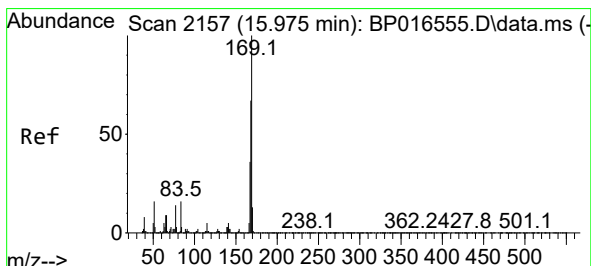
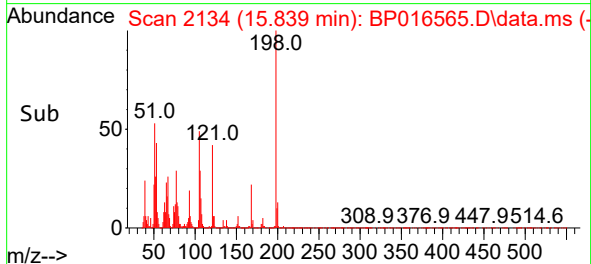
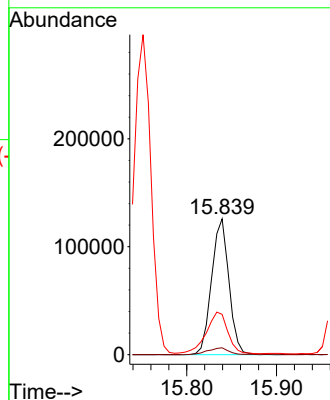
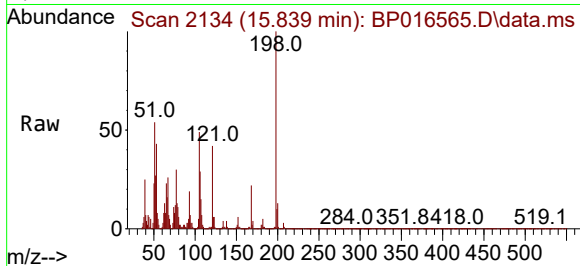




#66
4,6-Dinitro-2-methylphenol
Concen: 12.195 ng/ul
RT: 15.839 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

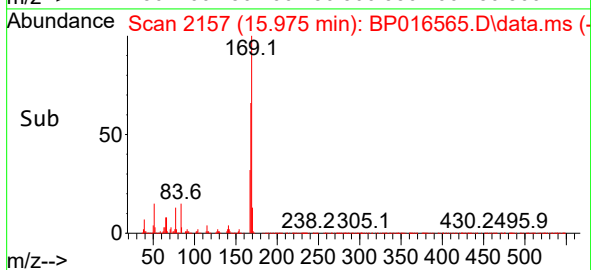
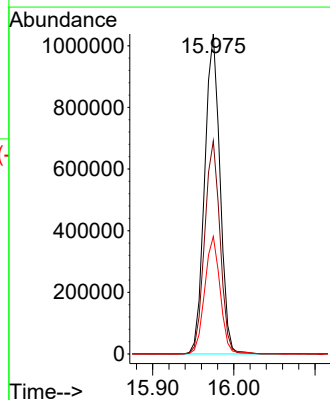
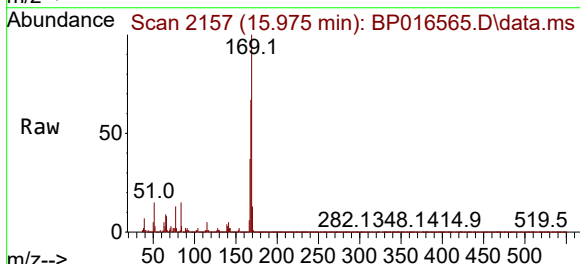
Instrument :
BNA_P
ClientSampleId :
A4832MSD

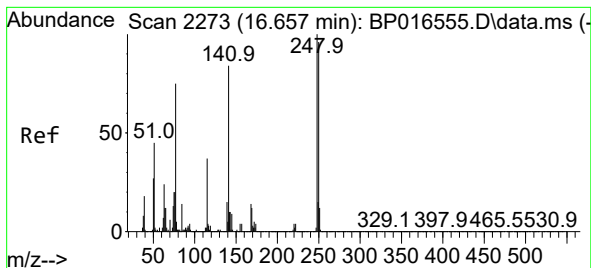
Tgt Ion:198 Resp: 169082
Ion Ratio Lower Upper
198 100
182 5.0 3.9 5.9
77 29.7 25.8 38.6



#67
N-Nitrosodiphenylamine
Concen: 19.027 ng/ul
RT: 15.975 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:169 Resp: 1355661
Ion Ratio Lower Upper
169 100
168 66.6 53.9 80.9
167 36.7 29.0 43.6

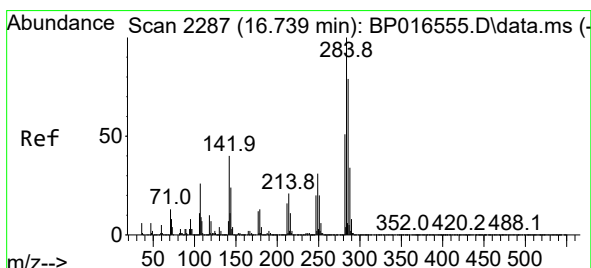
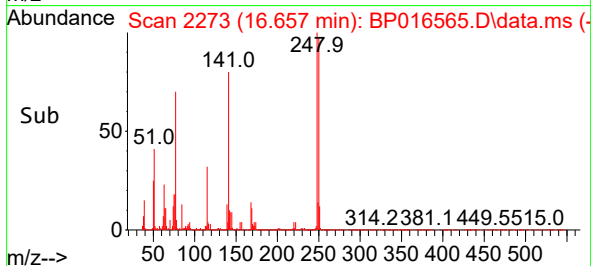
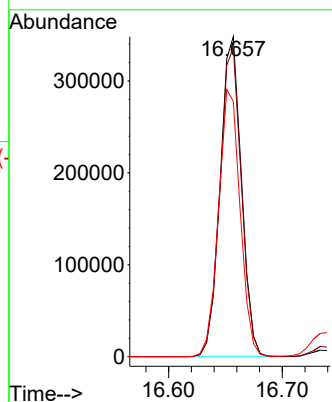
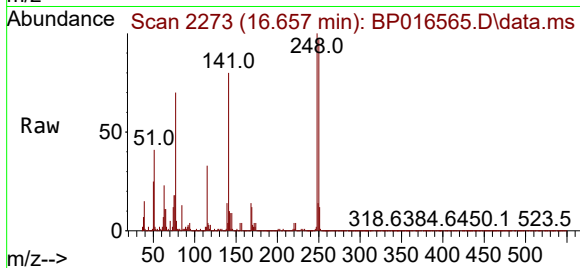




#68
4-Bromophenyl-phenylether
Concen: 19.348 ng/ul
RT: 16.657 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

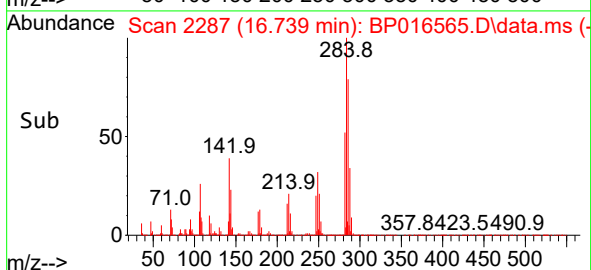
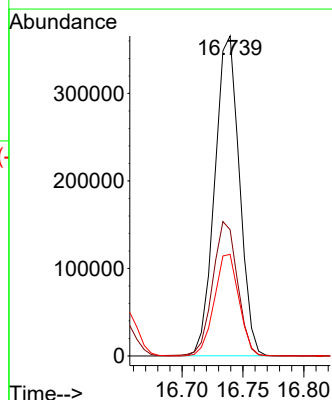
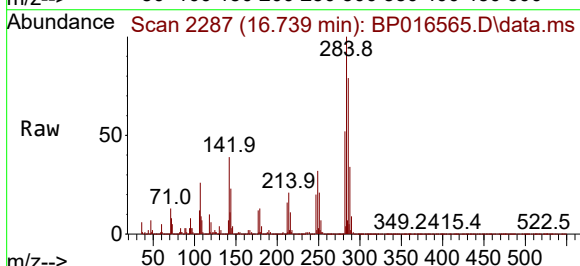
Instrument :
BNA_P
ClientSampleId :
A4832MSD

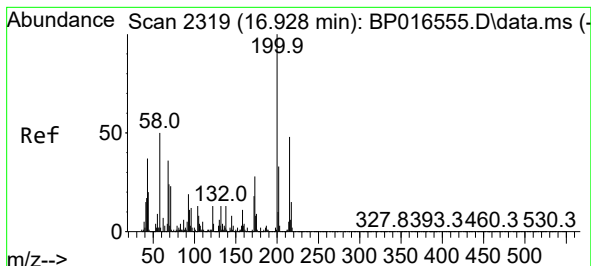
Tgt Ion:248 Resp: 454071
Ion Ratio Lower Upper
248 100
250 96.6 76.9 115.3
141 79.8 67.6 101.4



#69
Hexachlorobenzene
Concen: 18.752 ng/ul
RT: 16.739 min Scan# 2287
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:284 Resp: 514201
Ion Ratio Lower Upper
284 100
142 39.4 31.9 47.9
249 31.7 24.7 37.1





#70

Atrazine

Concen: 16.741 ng/ul

RT: 16.928 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

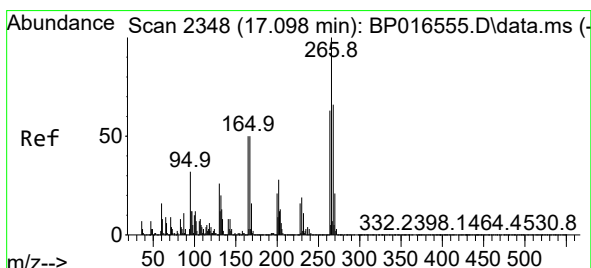
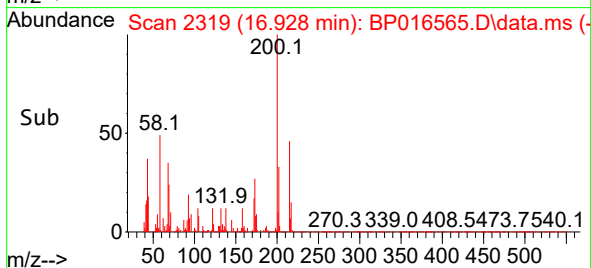
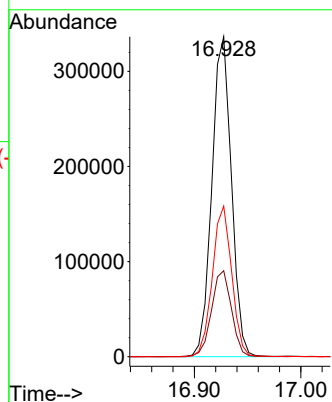
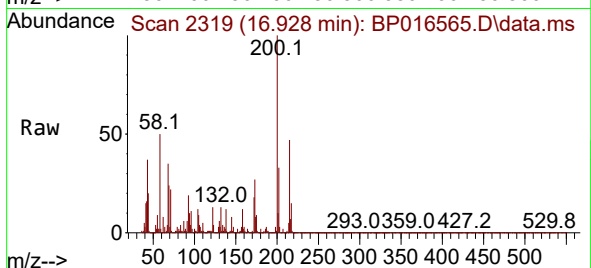
Tgt Ion:200 Resp: 429111

Ion Ratio Lower Upper

200 100

173 26.9 22.2 33.2

215 47.1 38.4 57.6



#71

Pentachlorophenol

Concen: 16.777 ng/ul

RT: 17.098 min Scan# 2348

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

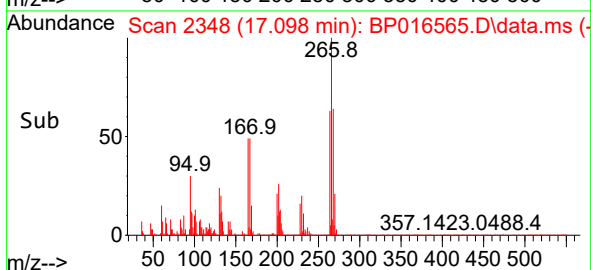
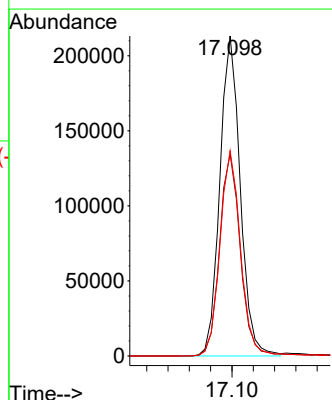
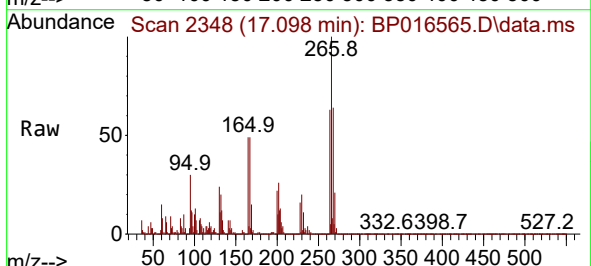
Tgt Ion:266 Resp: 283249

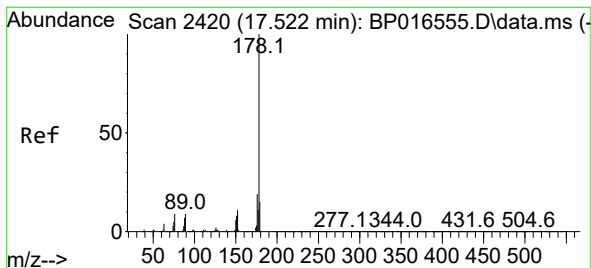
Ion Ratio Lower Upper

266 100

264 63.0 50.7 76.1

268 64.2 53.0 79.6





#72

Phenanthrene

Concen: 19.236 ng/ul

RT: 17.522 min Scan# 2420

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

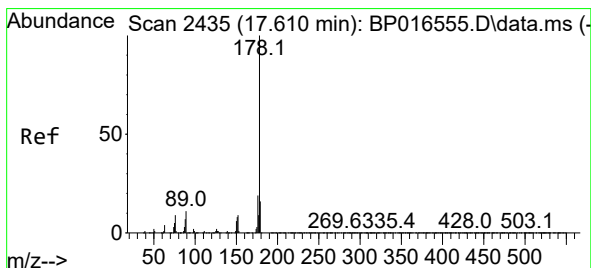
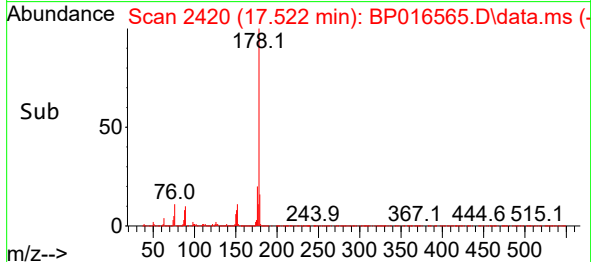
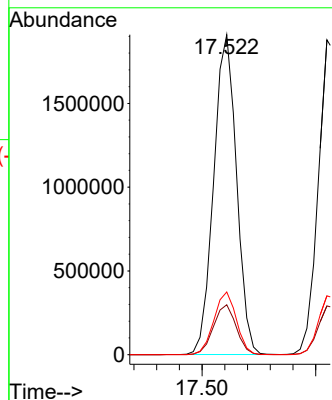
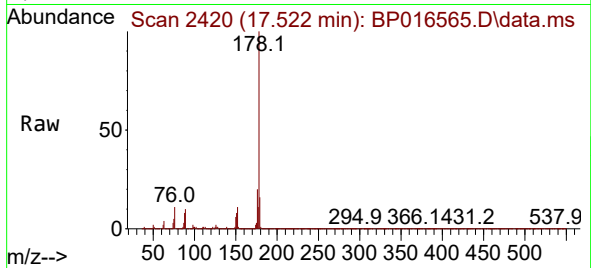
Tgt Ion:178 Resp: 2663670

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.6 15.5 23.3



#74

Anthracene

Concen: 18.779 ng/ul

RT: 17.610 min Scan# 2435

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

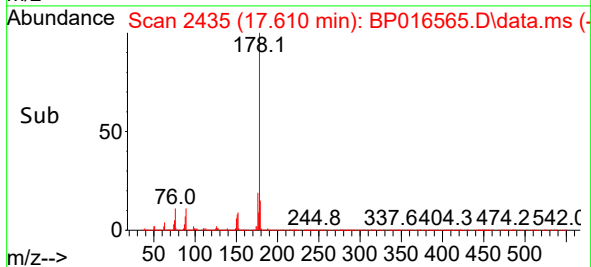
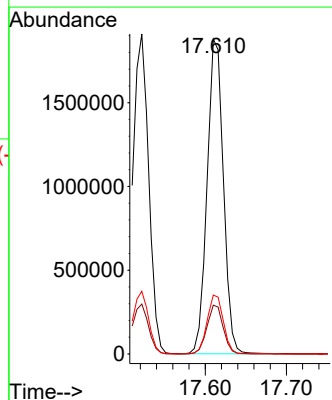
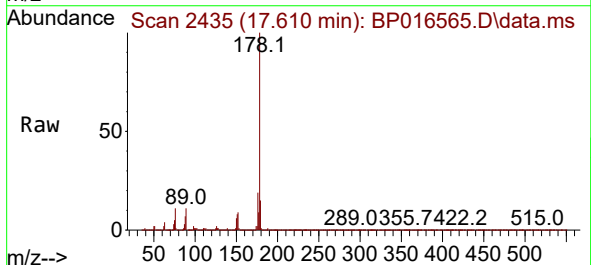
Tgt Ion:178 Resp: 2611981

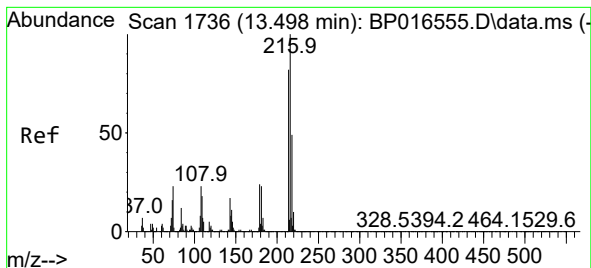
Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 18.7 14.9 22.3

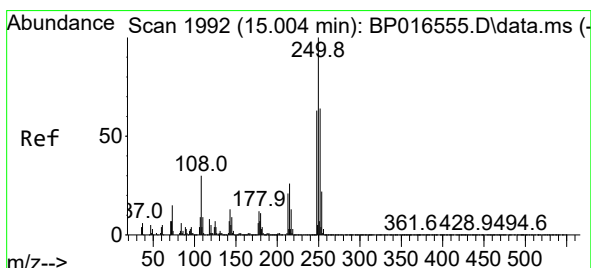
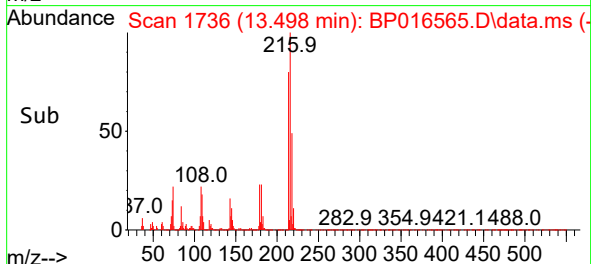
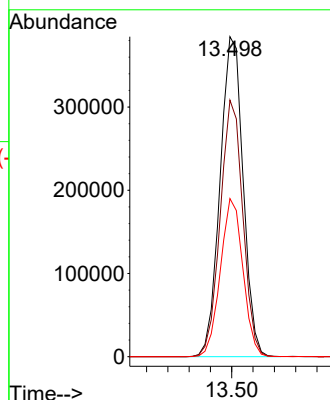
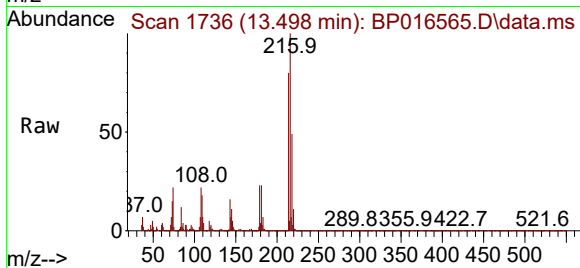




#75
1,2,3,4-Tetrachlorobenzene
Concen: 17.270 ng/uL
RT: 13.498 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

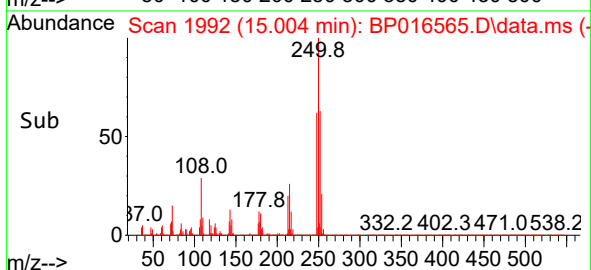
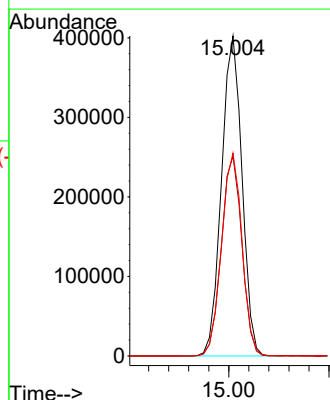
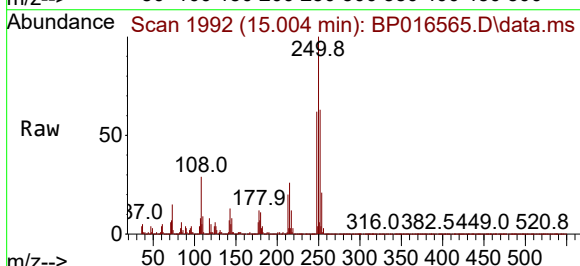
Instrument :
BNA_P
ClientSampleId :
A4832MSD

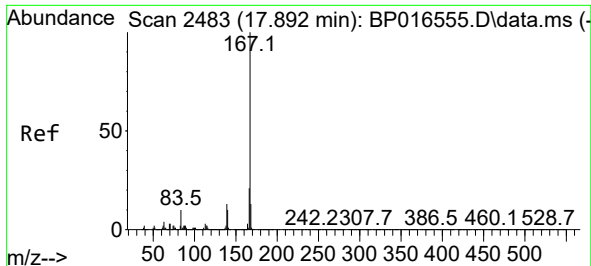
Tgt Ion:216 Resp: 576882
Ion Ratio Lower Upper
216 100
214 80.2 65.4 98.2
218 49.4 39.3 58.9



#76
Pentachlorobenzene
Concen: 18.983 ng/uL
RT: 15.004 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BP016565.D
Acq: 14 Aug 2023 17:16

Tgt Ion:250 Resp: 568932
Ion Ratio Lower Upper
250 100
248 62.4 50.2 75.2
252 63.4 51.0 76.4



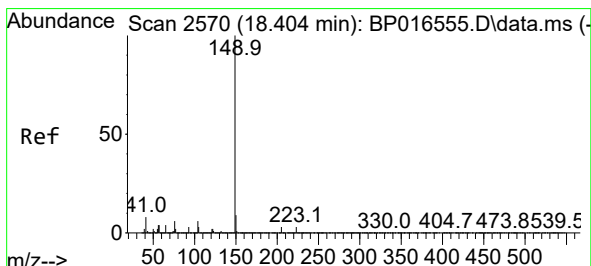
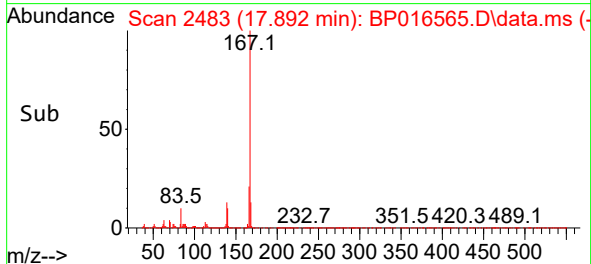
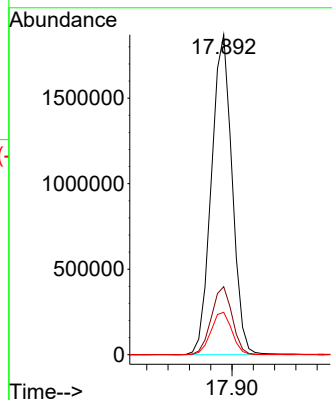
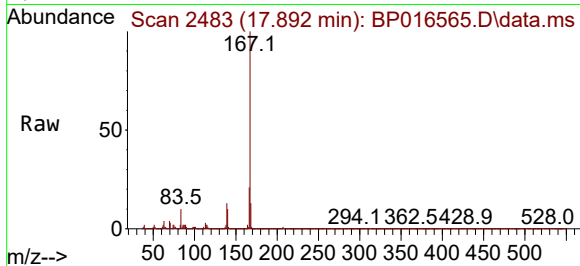


#77
 Carbazole
 Concen: 19.698 ng/ul
 RT: 17.892 min Scan# 2483
 Delta R.T. -0.000 min
 Lab File: BP016565.D
 Acq: 14 Aug 2023 17:16

Instrument :
 BNA_P
 ClientSampleId :
 A4832MSD

Tgt Ion:167 Resp: 2524940

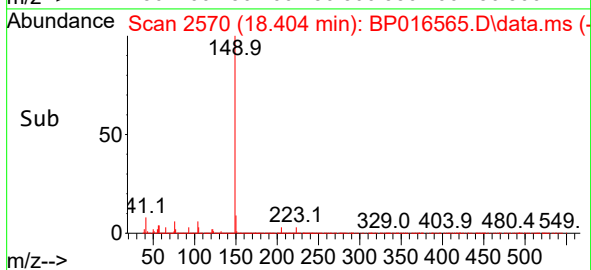
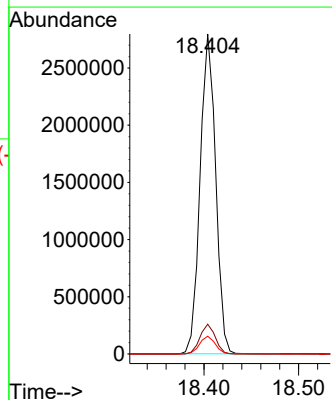
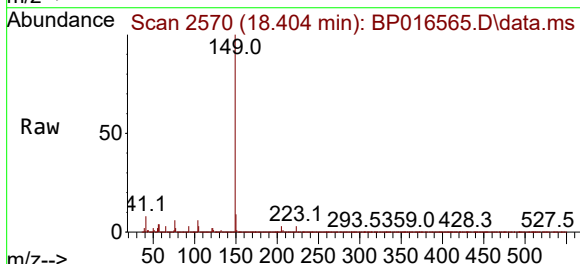
Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	13.3	10.6	16.0

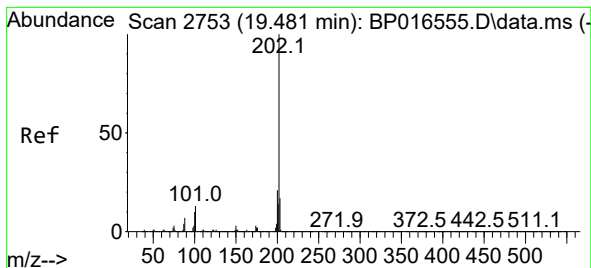


#78
 Di-n-butylphthalate
 Concen: 21.413 ng/ul
 RT: 18.404 min Scan# 2570
 Delta R.T. -0.000 min
 Lab File: BP016565.D
 Acq: 14 Aug 2023 17:16

Tgt Ion:149 Resp: 3177371

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	5.6	4.6	6.8





#80

Fluoranthene

Concen: 21.211 ng/ul

RT: 19.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

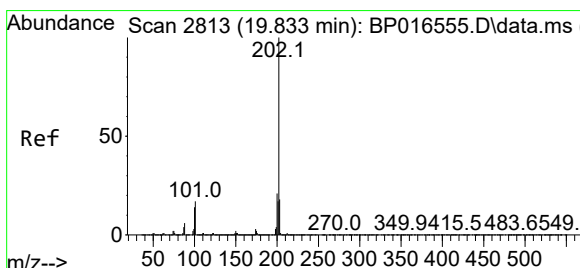
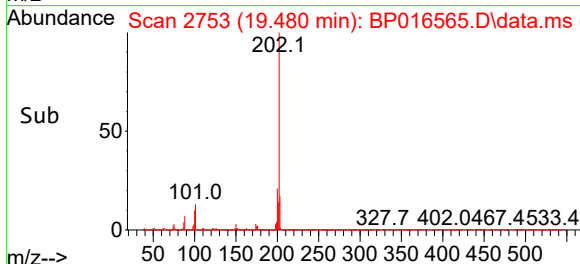
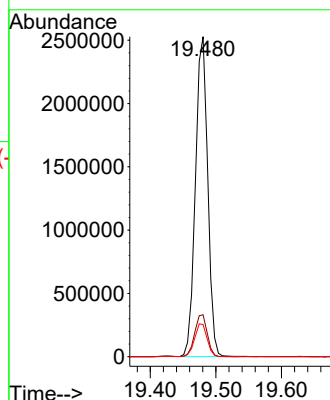
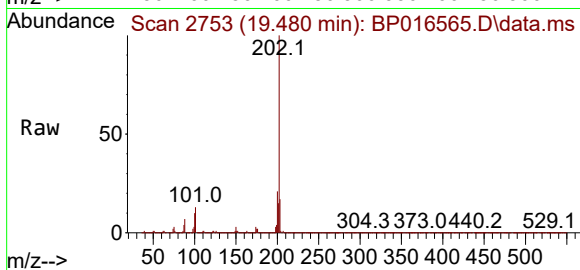
Tgt Ion:202 Resp: 3296786

Ion Ratio Lower Upper

202 100

101 13.1 10.6 16.0

100 10.0 8.1 12.1



#82

Pyrene

Concen: 20.557 ng/ul

RT: 19.833 min Scan# 2813

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

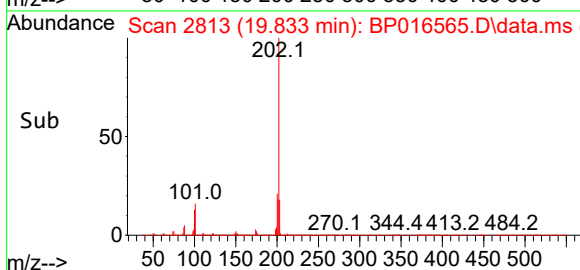
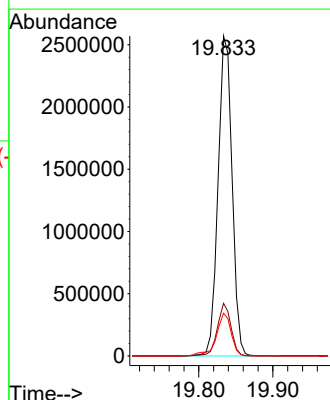
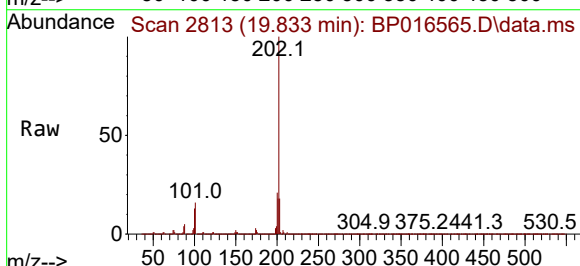
Tgt Ion:202 Resp: 3373995

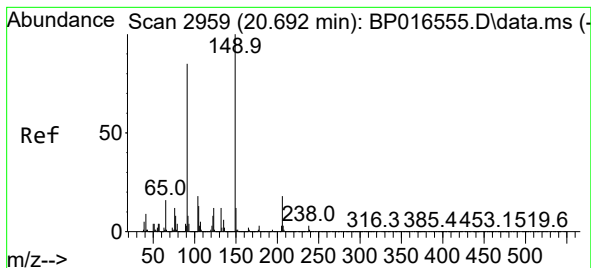
Ion Ratio Lower Upper

202 100

101 16.4 13.4 20.2

100 13.3 11.0 16.4





#83

Butylbenzylphthalate

Concen: 22.398 ng/ul

RT: 20.692 min Scan# 2959

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

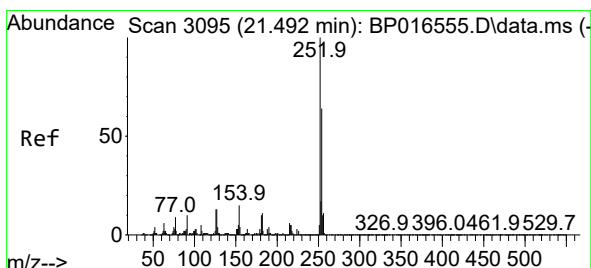
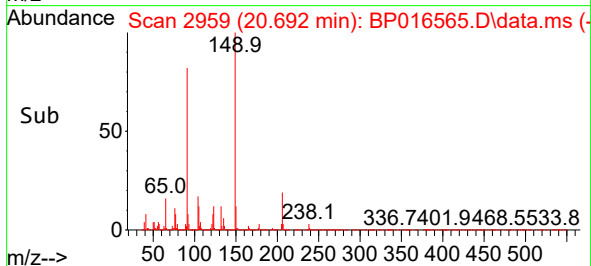
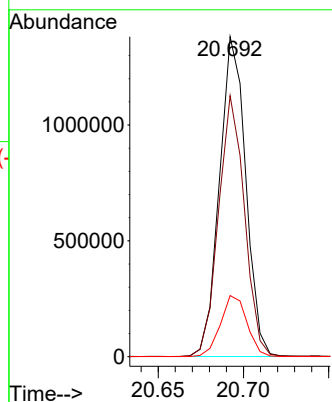
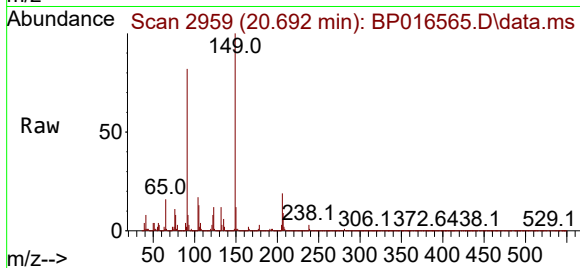
Tgt Ion:149 Resp: 1480898

Ion Ratio Lower Upper

149 100

91 81.5 67.8 101.6

206 19.1 14.4 21.6



#84

3,3'-Dichlorobenzidine

Concen: 10.167 ng/ul

RT: 21.492 min Scan# 3095

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

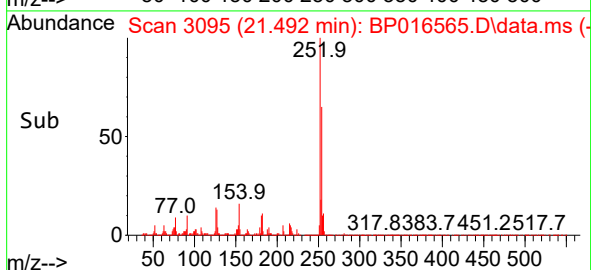
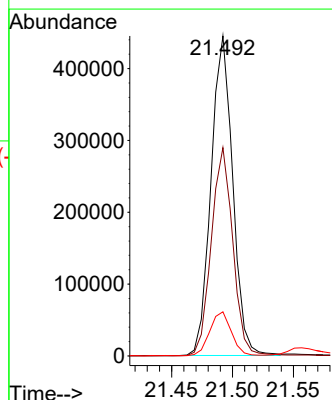
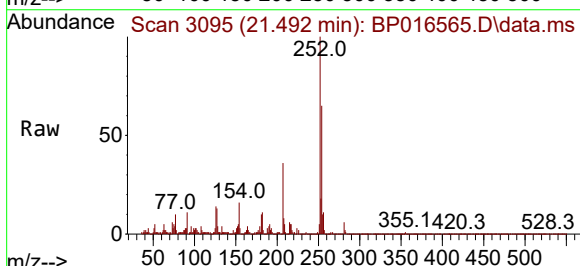
Tgt Ion:252 Resp: 550236

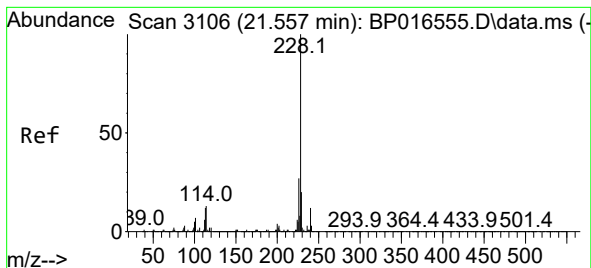
Ion Ratio Lower Upper

252 100

254 65.1 51.3 76.9

126 13.8 10.2 15.4





#85

Benzo(a)anthracene

Concen: 19.808 ng/ul

RT: 21.557 min Scan# 3106

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

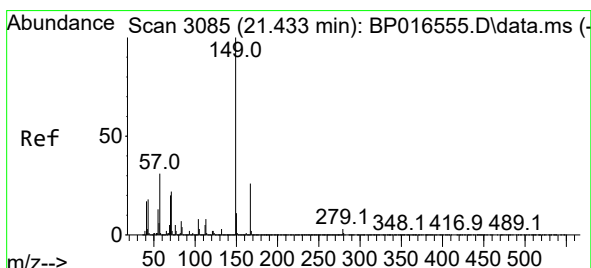
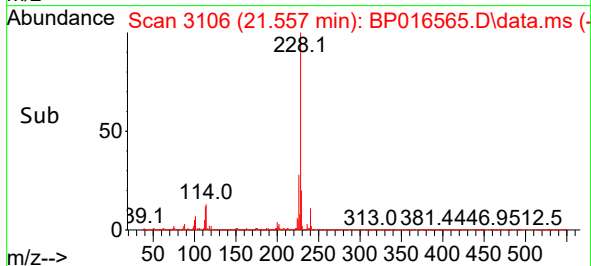
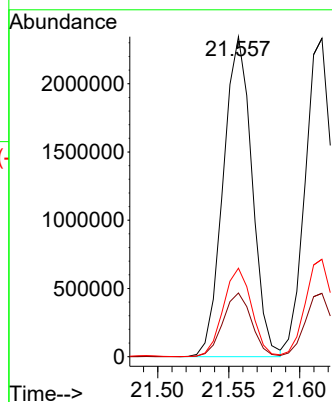
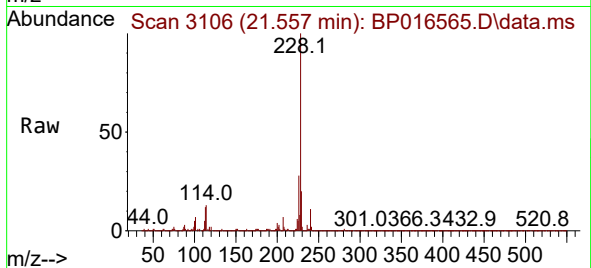
Tgt Ion:228 Resp: 3308596

Ion Ratio Lower Upper

228 100

229 19.9 15.8 23.6

226 27.6 21.8 32.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 22.984 ng/ul

RT: 21.433 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

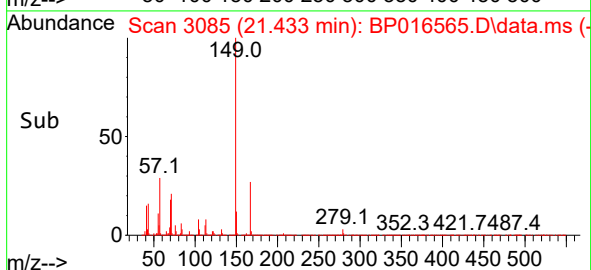
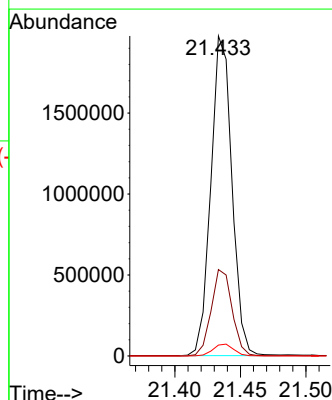
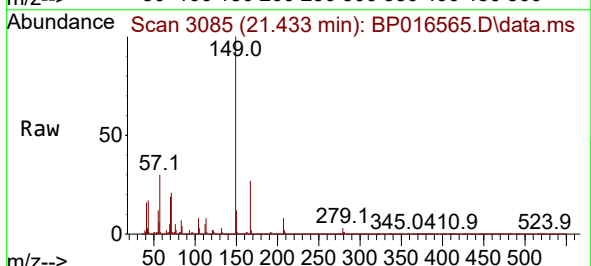
Tgt Ion:149 Resp: 2205476

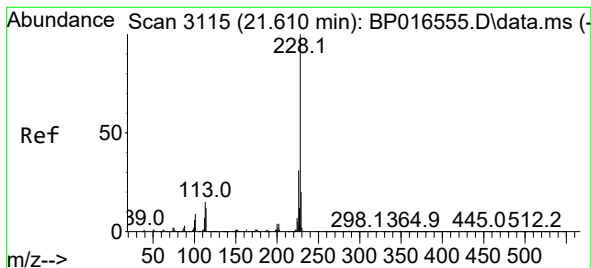
Ion Ratio Lower Upper

149 100

167 27.0 20.9 31.3

279 3.4 2.6 4.0





#87

Chrysene

Concen: 19.827 ng/ul

RT: 21.616 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

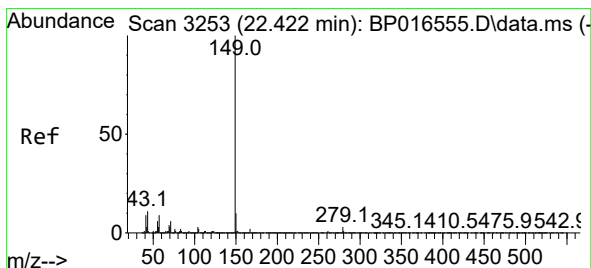
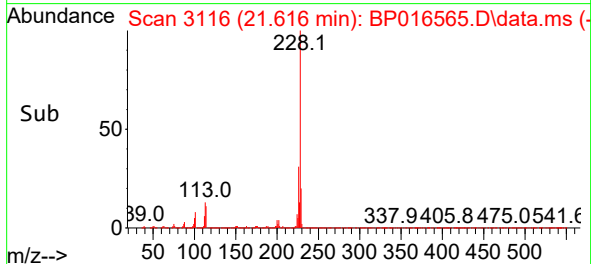
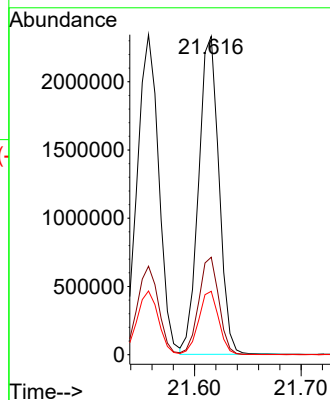
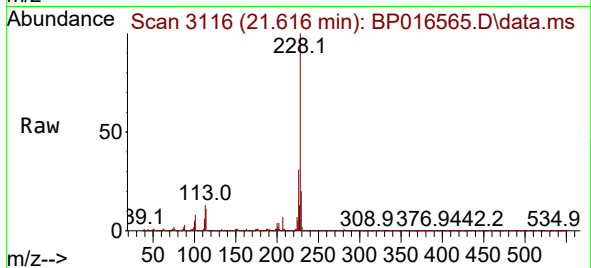
Tgt Ion:228 Resp: 3098993

Ion Ratio Lower Upper

228 100

226 30.6 24.6 36.8

229 19.9 16.4 24.6



#89

Di-n-octyl phthalate

Concen: 21.564 ng/ul

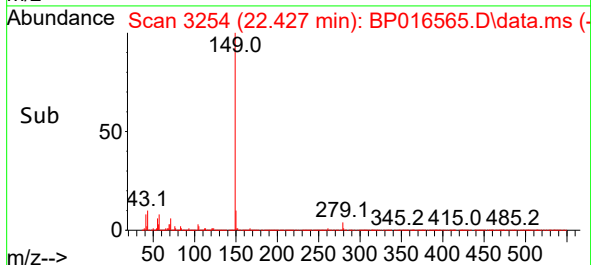
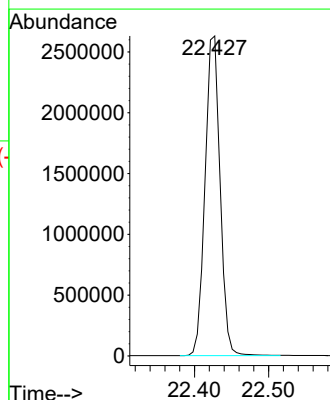
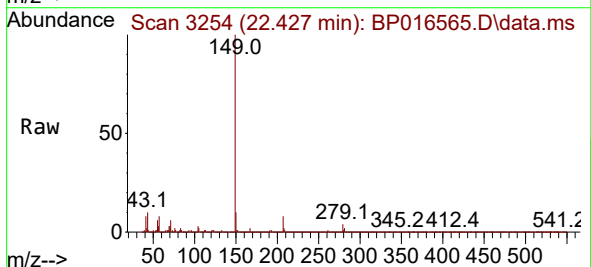
RT: 22.427 min Scan# 3254

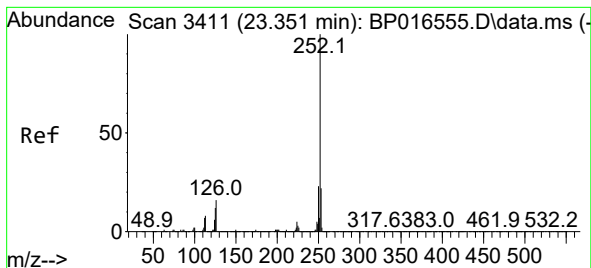
Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Tgt Ion:149 Resp: 3708705





#90

Benzo(b)fluoranthene

Concen: 20.530 ng/ul

RT: 23.351 min Scan# 3411

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

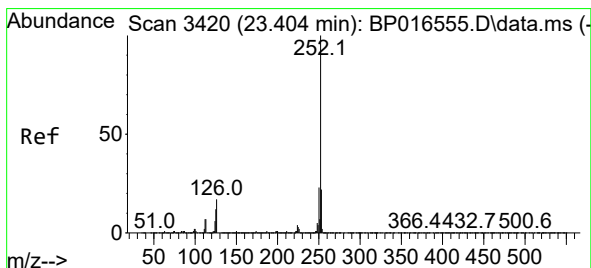
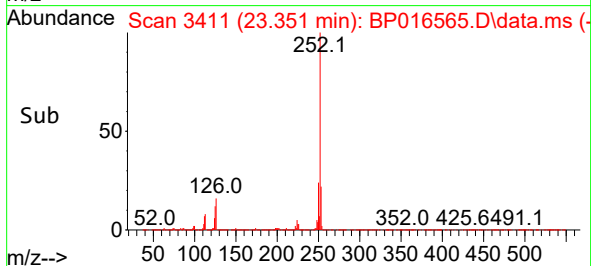
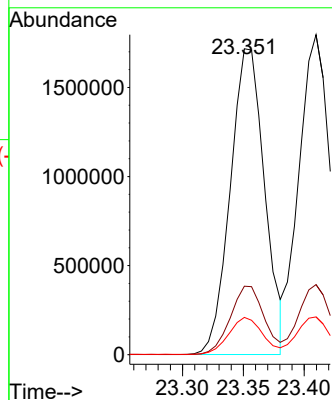
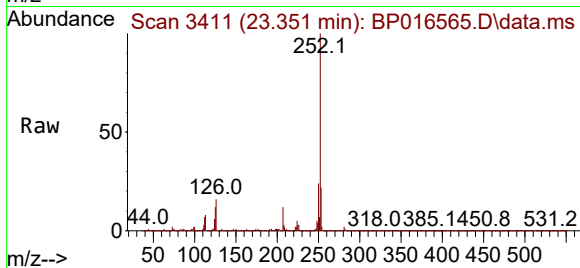
Tgt Ion:252 Resp: 3369546

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 12.2 10.0 15.0



#91

Benzo(k)fluoranthene

Concen: 20.111 ng/ul

RT: 23.410 min Scan# 3421

Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

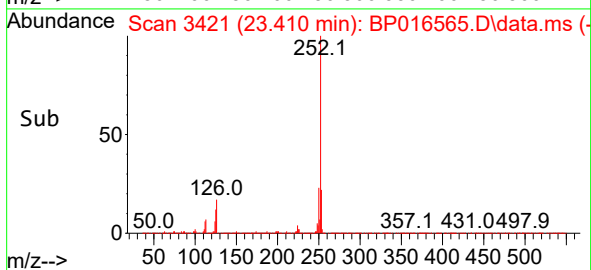
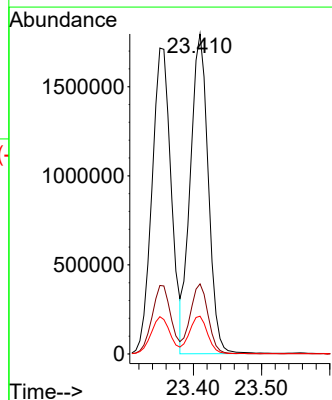
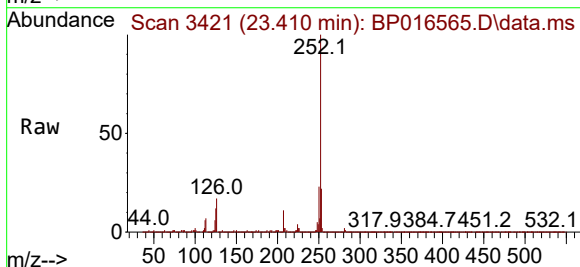
Tgt Ion:252 Resp: 3274635

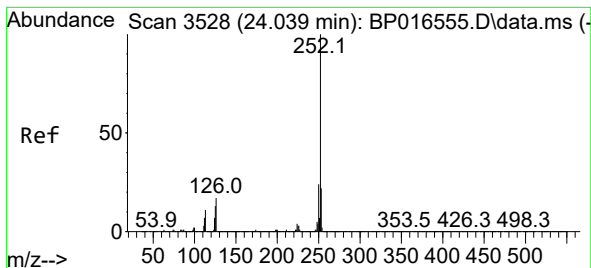
Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 11.8 9.8 14.8





#93

Benzo(a)pyrene

Concen: 18.443 ng/ul

RT: 24.045 min Scan# 3529

Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

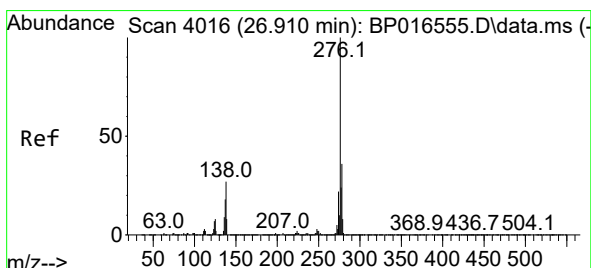
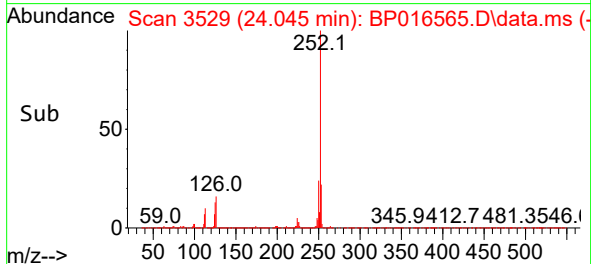
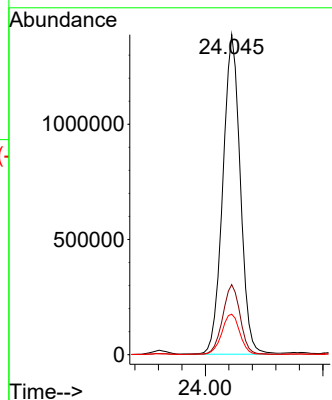
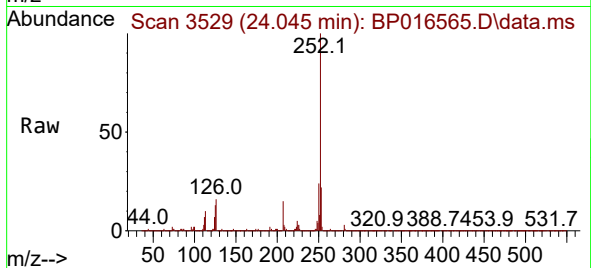
Tgt Ion:252 Resp: 2855494

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 12.7 10.6 15.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.703 ng/ul

RT: 26.909 min Scan# 4016

Delta R.T. -0.000 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

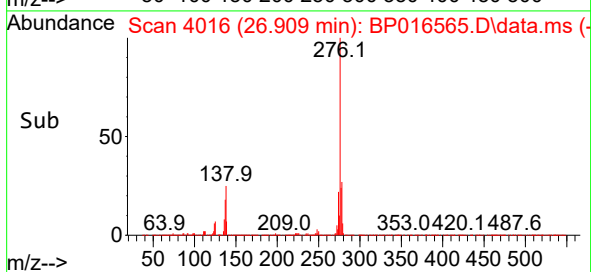
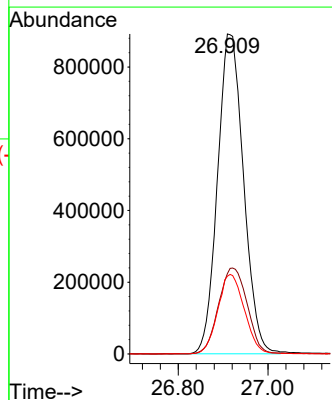
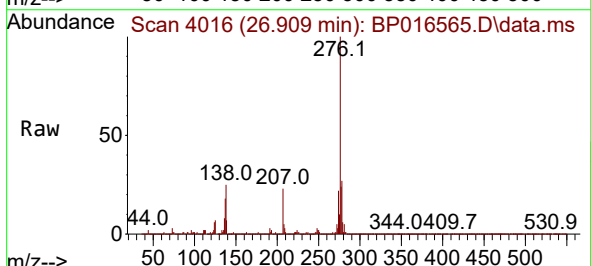
Tgt Ion:276 Resp: 3600368

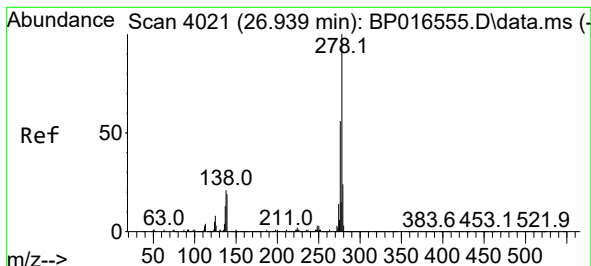
Ion Ratio Lower Upper

276 100

138 31.9 21.7 32.5

277 24.3 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 19.551 ng/ul

RT: 26.945 min Scan# 4021

Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Instrument :

BNA_P

ClientSampleId :

A4832MSD

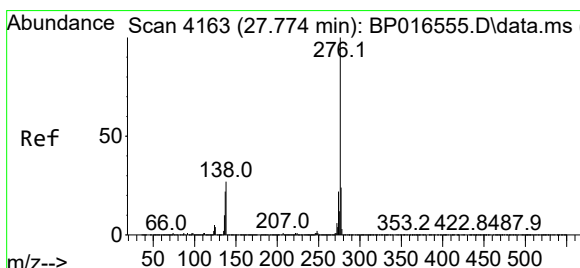
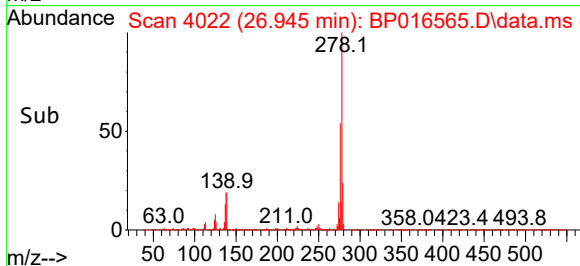
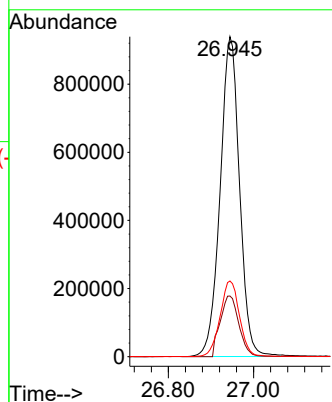
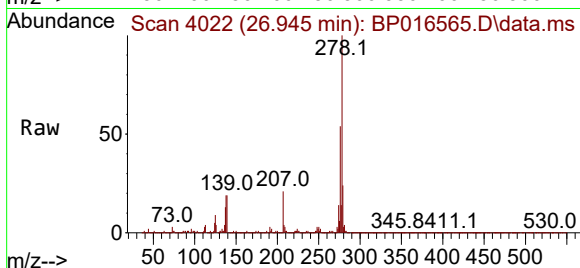
Tgt Ion:278 Resp: 2973147

Ion Ratio Lower Upper

278 100

139 18.9 15.5 23.3

279 23.6 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 18.047 ng/ul

RT: 27.780 min Scan# 4164

Delta R.T. 0.006 min

Lab File: BP016565.D

Acq: 14 Aug 2023 17:16

Tgt Ion:276 Resp: 2624622

Ion Ratio Lower Upper

276 100

138 24.2 21.5 32.3

277 23.8 19.3 28.9

