

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051123\
 Data File : BP015065.D
 Acq On : 11 May 2023 14:28
 Operator : CG/JU
 Sample : SSTD16076
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD160616

Quant Time: May 11 22:14:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 11 15:04:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	367011	20.000	ng/u1	0.00
20) Naphthalene-d8	10.981	136	1624549	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.786	164	990772	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.545	188	2103076	20.000	ng/u1	0.00
79) Chrysene-d12	21.627	240	1528630	20.000	ng/u1	0.00
88) Perylene-d12	24.204	264	1549309	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	571680	60.521	ng/uL	0.00
4) Pyridine-d5	3.875	84	4024953	150.324	ng/u1	0.00
7) Phenol-d5	7.310	99	5215790	153.063	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.469	67	2824408	143.512	ng/u1	0.01
11) 2-Chlorophenol-d4	7.675	132	3833874	153.020	ng/u1	0.00
15) 4-Methylphenol-d8	8.875	113	4033282	148.538	ng/u1	0.02
21) Nitrobenzene-d5	9.334	128	2017244	158.022	ng/u1	0.02
24) 2-Nitrophenol-d4	10.063	143	2303309	162.158	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.604	165	3739894	145.913	ng/u1	0.01
31) 4-Chloroaniline-d4	11.128	131	5135029	135.407	ng/u1	0.02
46) Dimethylphthalate-d6	14.204	166	9915860	132.444	ng/u1	0.02
49) Acenaphthylene-d8	14.492	160	11039722	128.928	ng/u1	0.01
54) 4-Nitrophenol-d4	15.016	143	2145751	147.598	ng/u1	0.04
60) Fluorene-d10	15.786	176	7932704	125.568	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.922	200	2062078	155.585	ng/u1	0.02
73) Anthracene-d10	17.651	188	11863345	123.190	ng/u1	0.01
81) Pyrene-d10	19.869	212	12917357	145.699	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.051	264	11633884	151.268	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.475	88	608600	59.960	ng/uL	97
5) Pyridine	3.899	79	4173239	149.863	ng/u1	99
6) Benzaldehyde	7.275	77	1151269	122.918	ng/u1	94
8) Phenol	7.340	94	5240521	149.976	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.569	93	4006691	143.321	ng/u1	98
12) 2-Chlorophenol	7.710	128	3927067	148.185	ng/u1	98
13) 2-Methylphenol	8.599	108	3941078	145.933	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.687	45	4909922	140.182	ng/u1	98
16) Acetophenone	8.993	105	5450622	128.617	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.010	70	2674583	120.337	ng/u1	97
18) 4-Methylphenol	8.957	108	4359047	146.648	ng/u1	99
19) Hexachloroethane	9.240	117	1548734	143.126	ng/u1	89
22) Nitrobenzene	9.381	77	4529974	143.680	ng/u1	96
23) Isophorone	9.928	82	8924334	137.710	ng/u1	98
25) 2-Nitrophenol	10.093	139	2367701	152.010	ng/u1	97
26) 2,4-Dimethylphenol	10.151	107	4353156	140.053	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.387	93	5385865	136.592	ng/u1	99
29) 2,4-Dichlorophenol	10.634	162	3630122	140.214	ng/u1	99
30) Naphthalene	11.034	128	11551301	130.788	ng/u1	99
32) 4-Chloroaniline	11.151	127	5129039	131.592	ng/u1	100
33) Hexachlorobutadiene	11.310	225	2227090	142.727	ng/u1	99
34) Caprolactam	11.998	113	807888	82.774	ng/u1	97
35) 4-Chloro-3-methylphenol	12.275	107	4066181	139.093	ng/u1	99
36) 2-Methylnaphthalene	12.634	142	7545959	126.803	ng/u1	100

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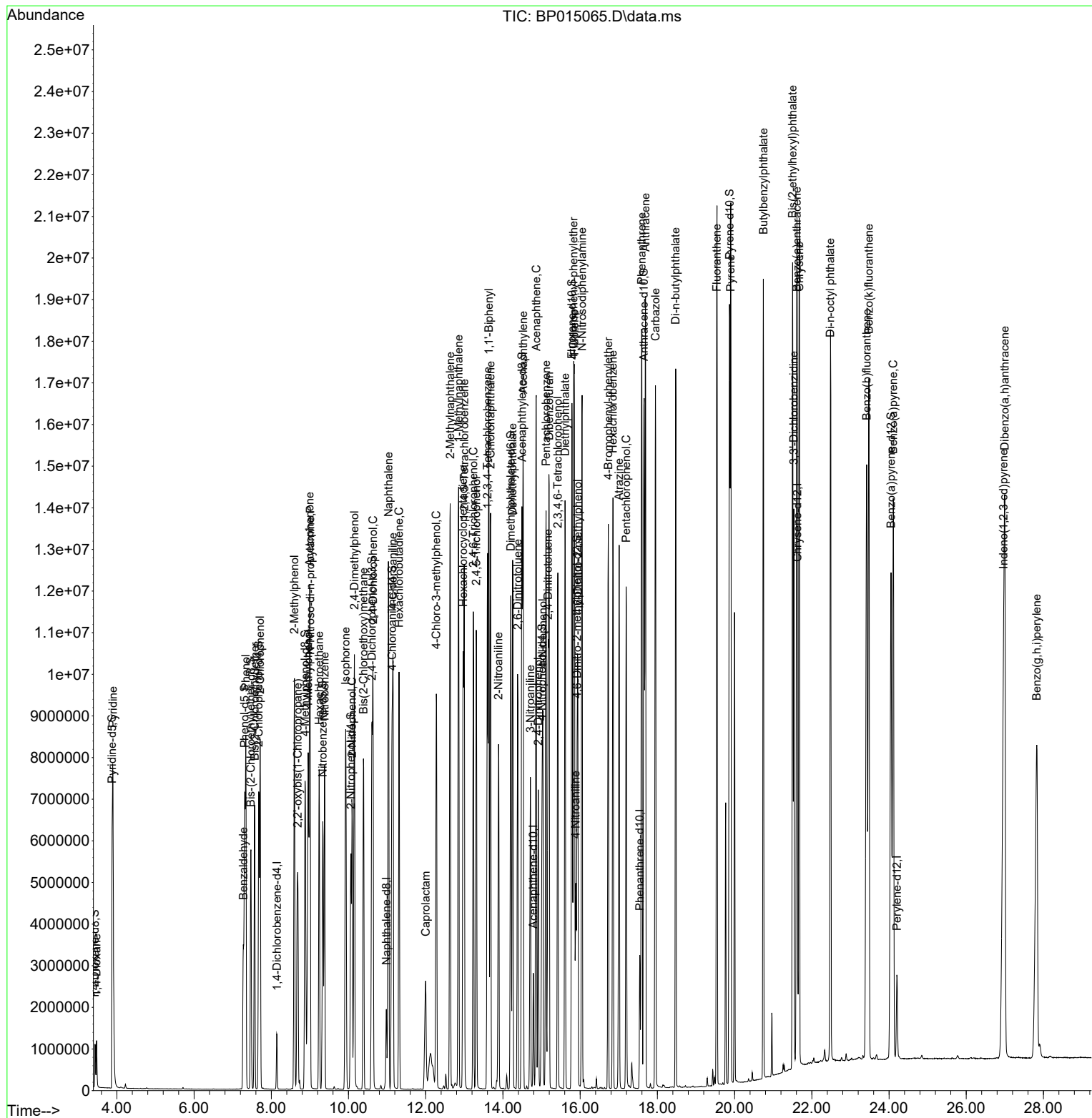
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.851	142	7493985	125.400	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.998	216	4080612	137.710	ng/ul	97
40) Hexachlorocyclopentadiene	12.969	237	3081947	160.528	ng/ul	98
41) 2,4,6-Trichlorophenol	13.234	196	3009647	143.837	ng/ul	98
42) 2,4,5-Trichlorophenol	13.310	196	3281723	144.653	ng/ul	99
43) 1,1'-Biphenyl	13.634	154	9243942	120.252	ng/ul	99
44) 2-Chloronaphthalene	13.681	162	7749238	129.084	ng/ul	99
45) 2-Nitroaniline	13.887	65	2608972	151.889	ng/ul	97
47) Dimethylphthalate	14.251	163	9937152	127.446	ng/ul	99
48) 2,6-Dinitrotoluene	14.381	165	2398889	155.295	ng/ul	93
50) Acenaphthylene	14.522	152	11379172	119.102	ng/ul	97
51) 3-Nitroaniline	14.710	138	2263216	162.709	ng/ul	97
52) Acenaphthene	14.863	153	7972671	122.180	ng/ul	99
53) 2,4-Dinitrophenol	14.916	184	1783003	173.843	ng/ul	96
55) 4-Nitrophenol	15.034	109	1534231	143.484	ng/ul	96
56) Dibenzofuran	15.198	168	10668744	117.546	ng/ul	99
57) 2,4-Dinitrotoluene	15.169	165	3214033	143.788	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.422	232	2765585	144.440	ng/ul	91
59) Diethylphthalate	15.610	149	9544031	122.726	ng/ul	97
61) Fluorene	15.851	166	7853615	107.674	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.828	204	4175631	117.167	ng/ul	99
63) 4-Nitroaniline	15.886	138	1796365	149.552	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.939	198	2027939	148.256	ng/ul#	92
67) N-Nitrosodiphenylamine	16.051	169	7521065	121.624	ng/ul	99
68) 4-Bromophenyl-phenylether	16.728	248	3087073	142.512	ng/ul	95
69) Hexachlorobenzene	16.851	284	3593383	140.372	ng/ul	96
70) Atrazine	17.010	200	3170605	138.716	ng/ul	98
71) Pentachlorophenol	17.192	266	2459237	153.581	ng/ul	99
72) Phenanthrene	17.592	178	13621085	118.940	ng/ul	97
74) Anthracene	17.692	178	12900802	111.401	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.598	216	4257732	142.789	ng/ul	97
76) Pentachlorobenzene	15.116	250	4111236	137.316	ng/ul	99
77) Carbazole	17.951	167	12859391	126.635	ng/ul	98
78) Di-n-butylphthalate	18.475	149	13668200	104.521	ng/ul#	93
80) Fluoranthene	19.539	202	14643727	135.516	ng/ul	97
82) Pyrene	19.898	202	13626056	122.108	ng/ul	96
83) Butylbenzylphthalate	20.745	149	6911182	139.703	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.533	252	4344747	129.414	ng/ul	97
85) Benzo(a)anthracene	21.616	228	14341071	135.681	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.504	149	9211561	129.337	ng/ul#	96
87) Chrysene	21.674	228	13096397	129.617	ng/ul	98
89) Di-n-octyl phthalate	22.480	149	15419085	145.315	ng/ul	100
90) Benzo(b)fluoranthene	23.421	252	14973822	152.454	ng/ul	98
91) Benzo(k)fluoranthene	23.480	252	13861840	146.980	ng/ul	98
93) Benzo(a)pyrene	24.110	252	12657633	145.801	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.968	276	14898299	132.537	ng/ul	98
95) Dibenzo(a,h)anthracene	26.998	278	11882046	128.768	ng/ul	99
96) Benzo(g,h,i)perylene	27.827	276	12348295	134.714	ng/ul	100

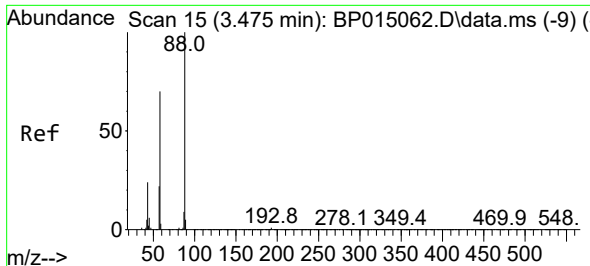
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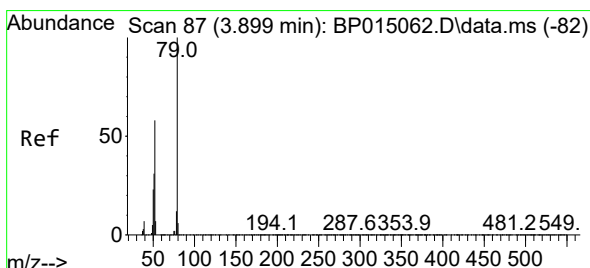
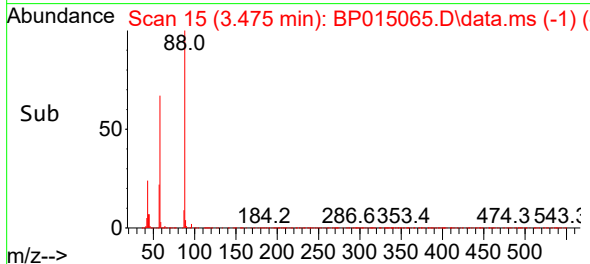
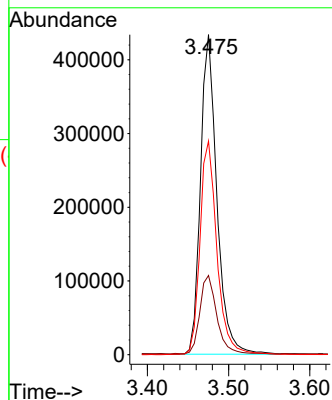
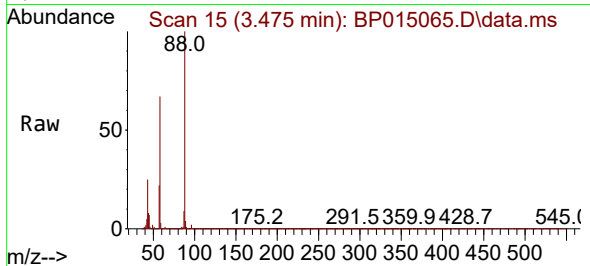




#2
1,4-Dioxane
Concen: 59.960 ng/uL
RT: 3.475 min Scan# 15
Delta R.T. -0.000 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

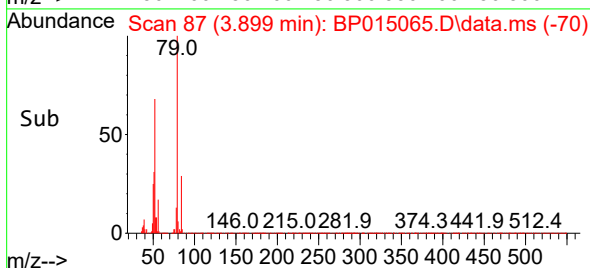
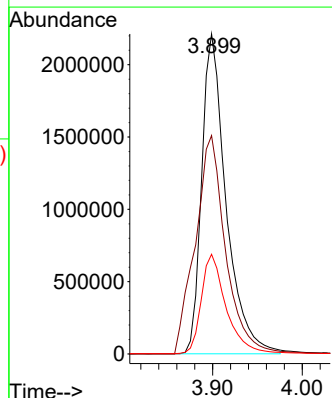
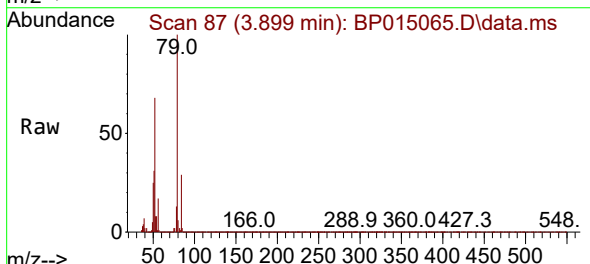
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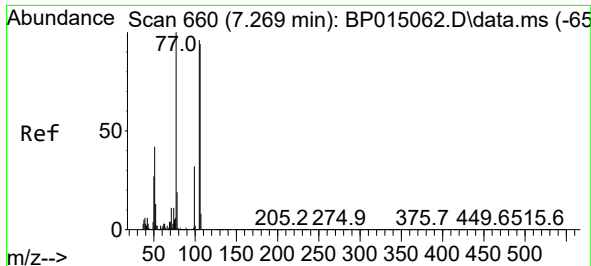
Tgt Ion: 88 Resp: 608600
Ion Ratio Lower Upper
88 100
43 24.7 20.4 30.6
58 66.8 55.4 83.2



#5
Pyridine
Concen: 149.863 ng/uL
RT: 3.899 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion: 79 Resp: 4173239
Ion Ratio Lower Upper
79 100
52 68.2 55.4 83.2
51 31.1 25.4 38.2

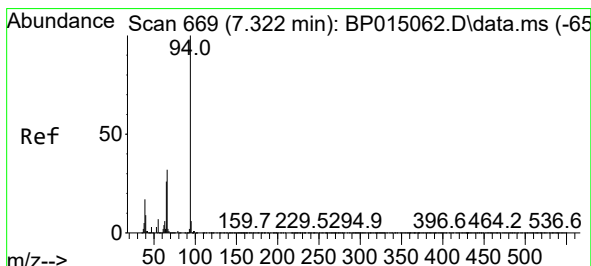
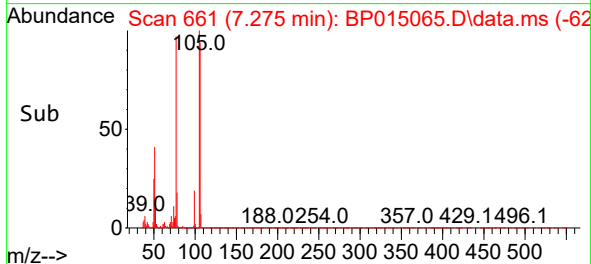
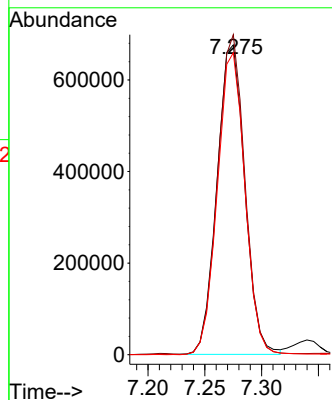
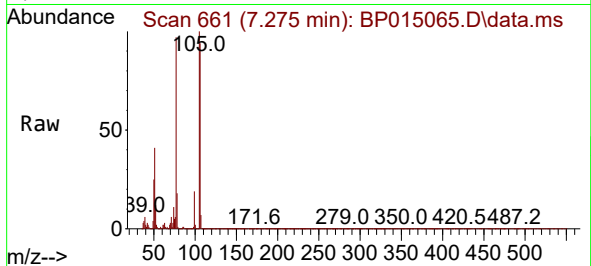




#6
Benzaldehyde
Concen: 122.918 ng/ul
RT: 7.275 min Scan# 610
Delta R.T. 0.006 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

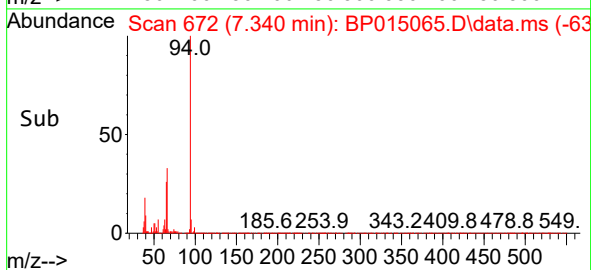
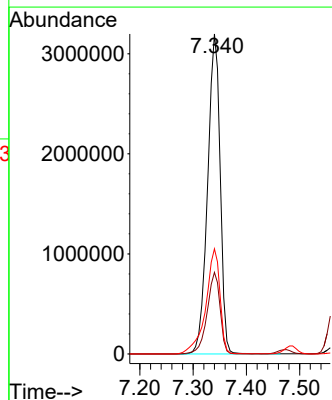
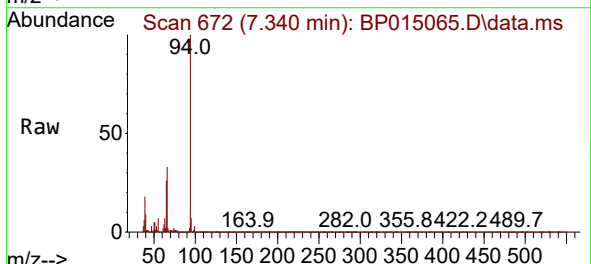
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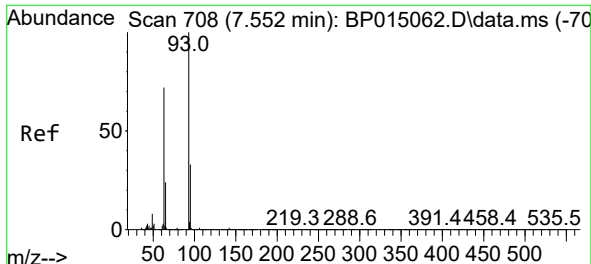
Tgt Ion: 77 Resp: 1151269
Ion Ratio Lower Upper
77 100
105 103.3 76.9 115.3
106 97.5 75.0 112.6



#8
Phenol
Concen: 149.976 ng/ul
RT: 7.340 min Scan# 672
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion: 94 Resp: 5240521
Ion Ratio Lower Upper
94 100
65 25.5 20.6 31.0
66 32.8 26.1 39.1

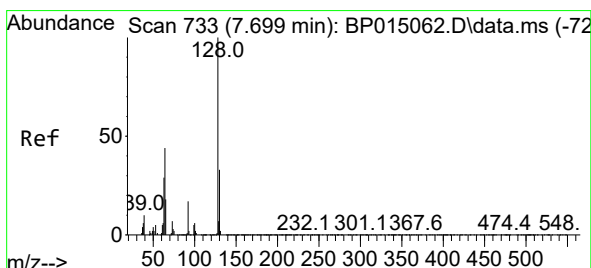
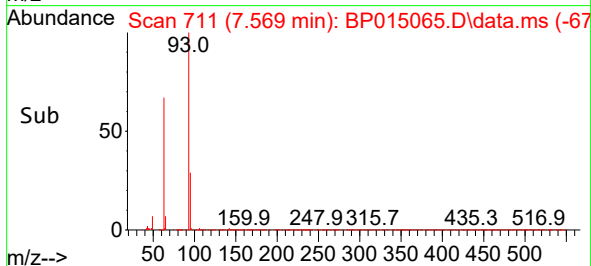
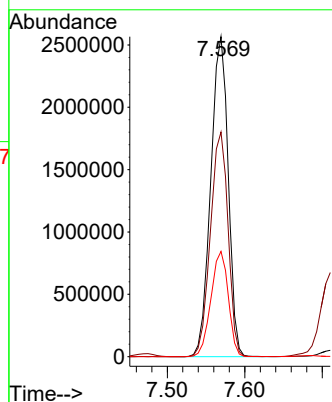
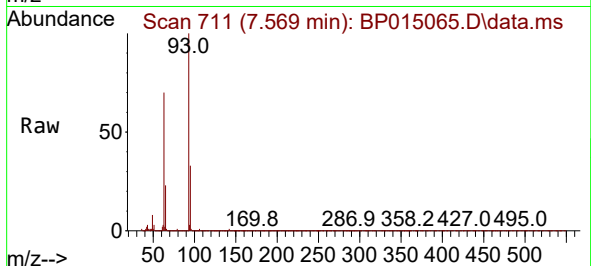




#10
Bis(2-Chloroethyl)ether
Concen: 143.321 ng/ul
RT: 7.569 min Scan# 711
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

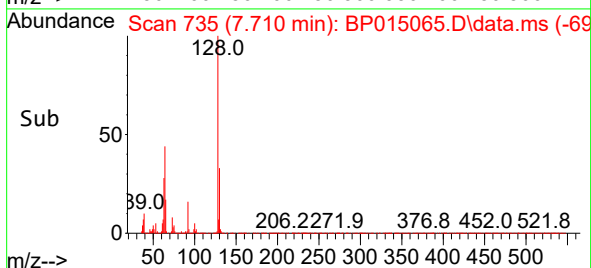
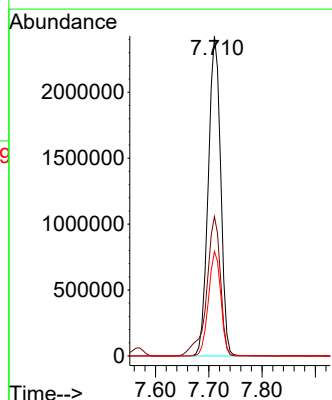
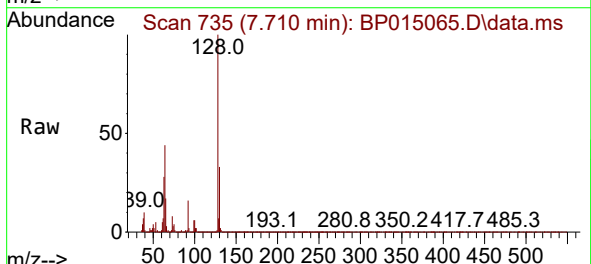
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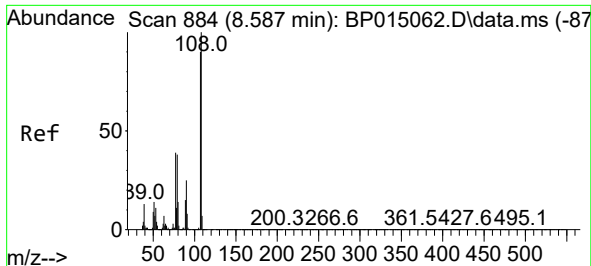
Tgt Ion: 93 Resp: 4006691
Ion Ratio Lower Upper
93 100
63 70.2 58.0 87.0
95 32.9 26.4 39.6



#12
2-Chlorophenol
Concen: 148.185 ng/ul
RT: 7.710 min Scan# 735
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:128 Resp: 3927067
Ion Ratio Lower Upper
128 100
64 43.6 36.2 54.2
130 32.7 26.3 39.5





#13

2-Methylphenol

Concen: 145.933 ng/ul

RT: 8.599 min Scan# 884

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

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BNA_P

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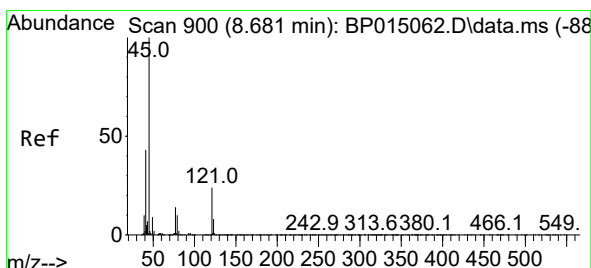
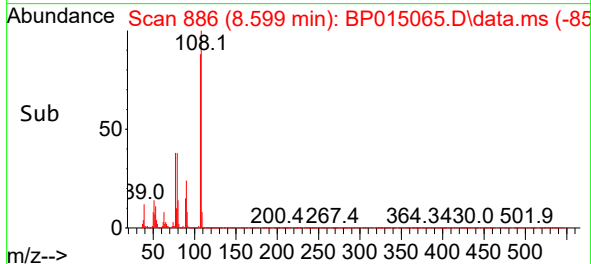
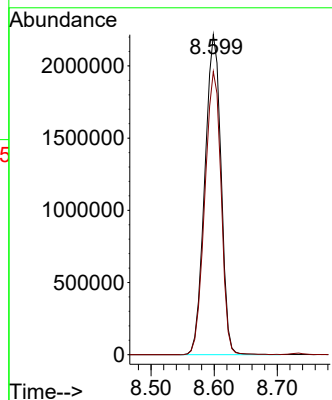
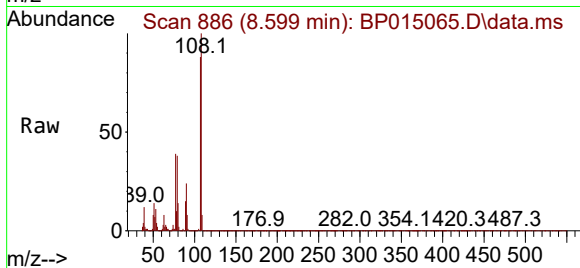
SSTD160616

Tgt Ion:108 Resp: 3941078

Ion Ratio Lower Upper

108 100

107 88.4 71.8 107.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 140.182 ng/ul

RT: 8.687 min Scan# 901

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

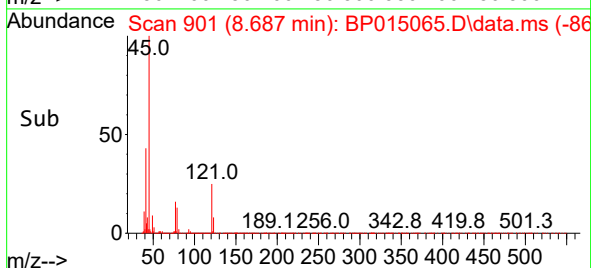
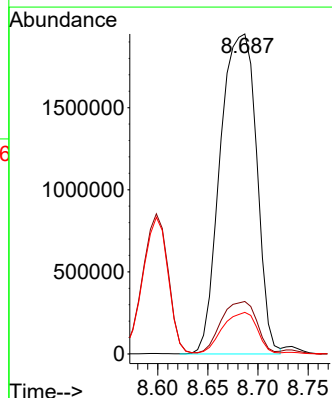
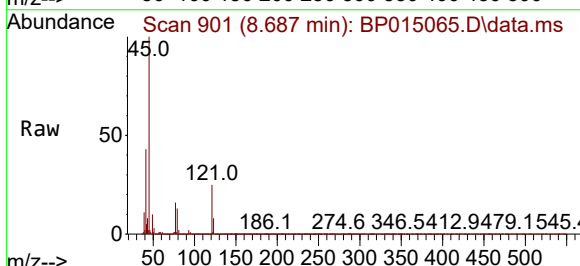
Tgt Ion: 45 Resp: 4909922

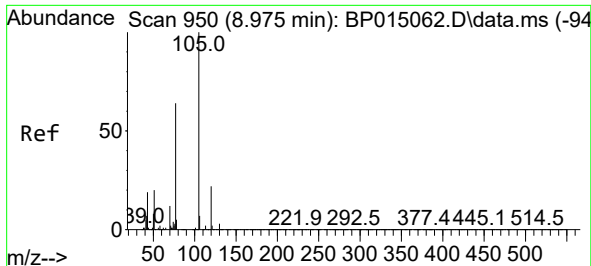
Ion Ratio Lower Upper

45 100

77 16.4 12.8 19.2

79 13.0 9.5 14.3

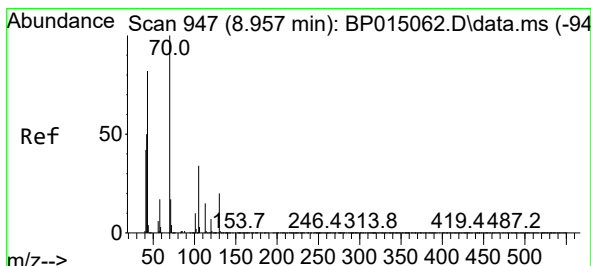
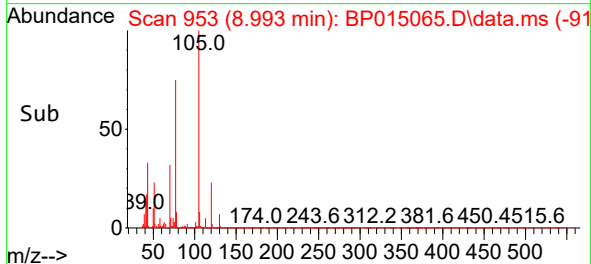
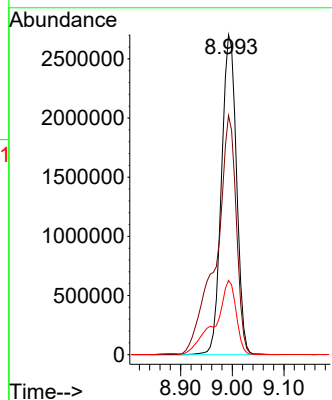
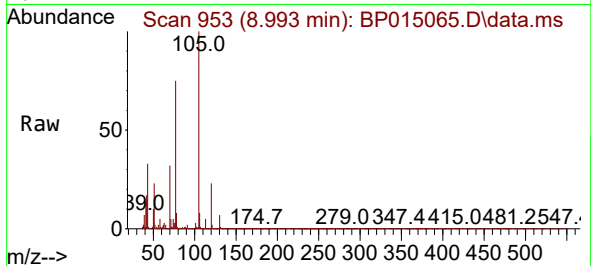




#16
Acetophenone
Concen: 128.617 ng/ul
RT: 8.993 min Scan# 91
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

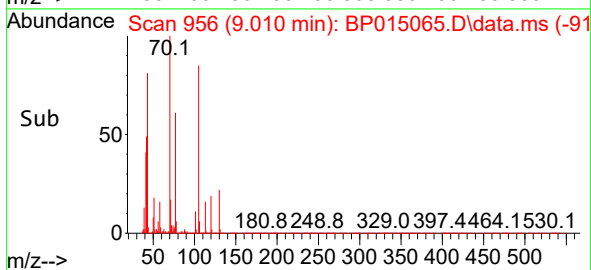
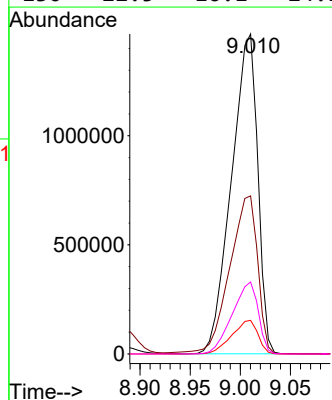
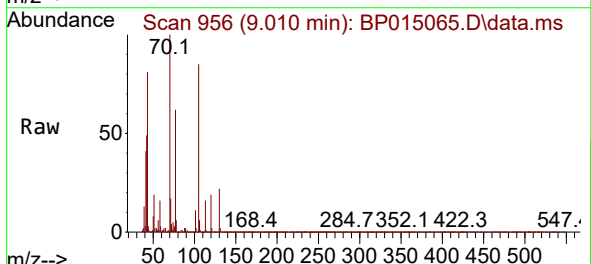
Instrument :
BNA_P
ClientSampleId :
SSTD160616

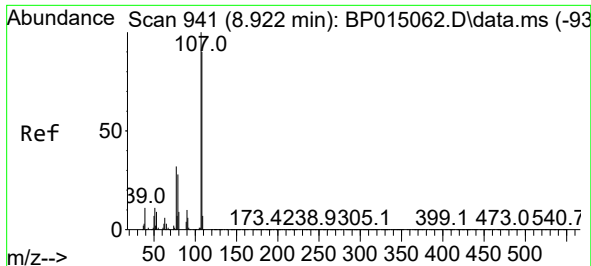
Tgt Ion:105 Resp: 5450622
Ion Ratio Lower Upper
105 100
77 74.7 59.4 89.2
51 23.2 19.2 28.8



#17
N-Nitroso-di-n-propylamine
Concen: 120.337 ng/ul
RT: 9.010 min Scan# 956
Delta R.T. 0.053 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion: 70 Resp: 2674583
Ion Ratio Lower Upper
70 100
42 49.4 41.0 61.6
101 10.5 7.9 11.9
130 22.5 16.1 24.1





#18

4-Methylphenol

Concen: 146.648 ng/ul

RT: 8.957 min Scan# 941

Delta R.T. 0.035 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

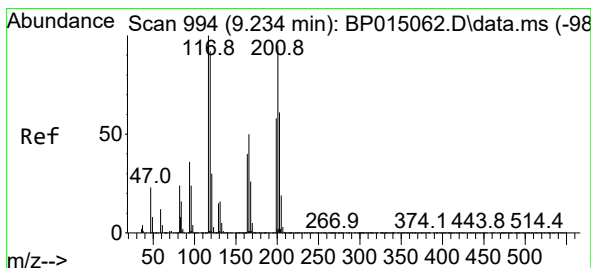
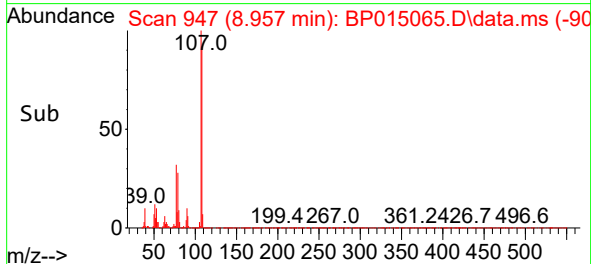
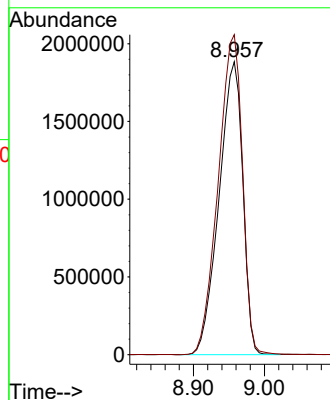
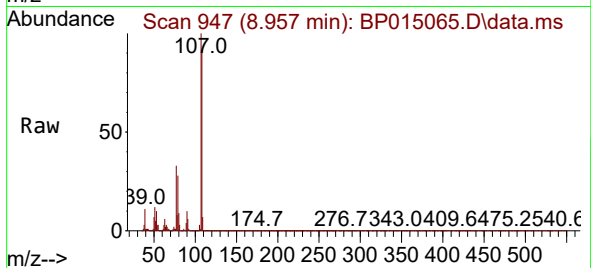
SSTD160616

Tgt Ion:108 Resp: 4359047

Ion Ratio Lower Upper

108 100

107 109.2 88.5 132.7



#19

Hexachloroethane

Concen: 143.126 ng/ul

RT: 9.240 min Scan# 995

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

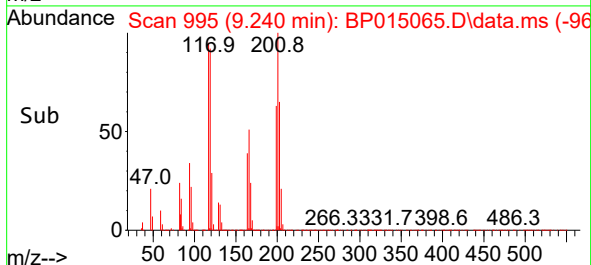
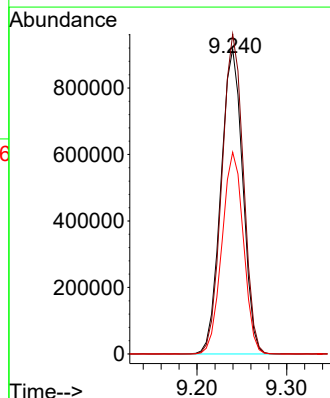
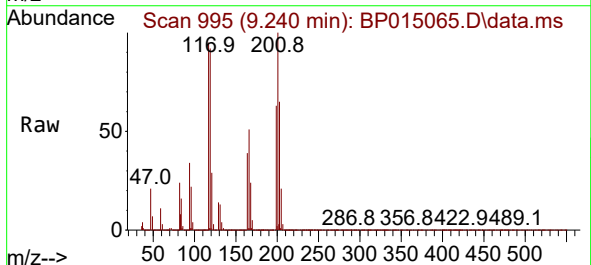
Tgt Ion:117 Resp: 1548734

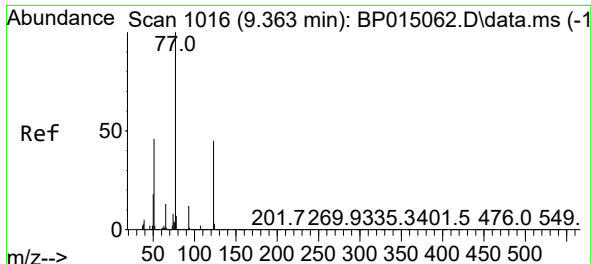
Ion Ratio Lower Upper

117 100

201 104.9 75.8 113.8

199 66.1 46.5 69.7

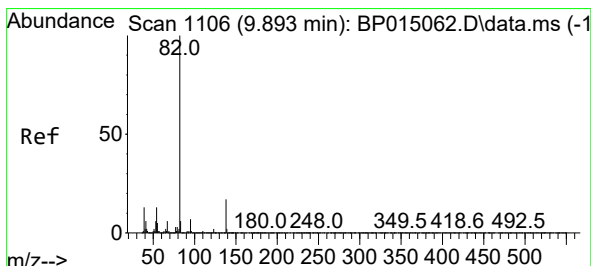
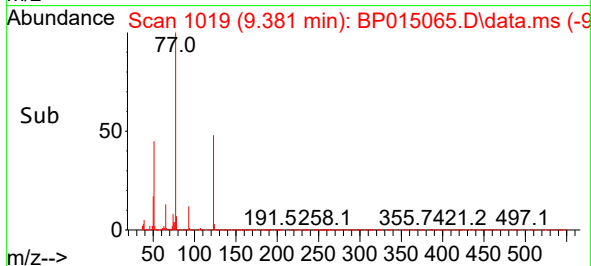
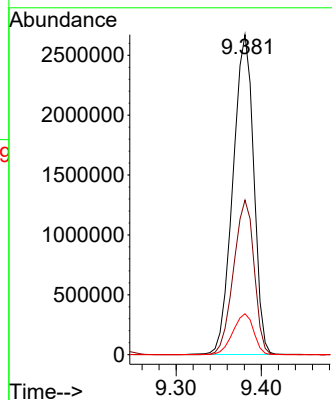
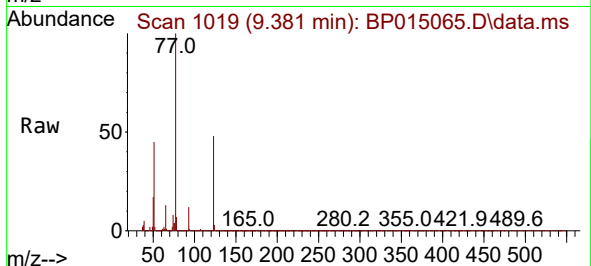




#22
Nitrobenzene
Concen: 143.680 ng/ul
RT: 9.381 min Scan# 1016
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

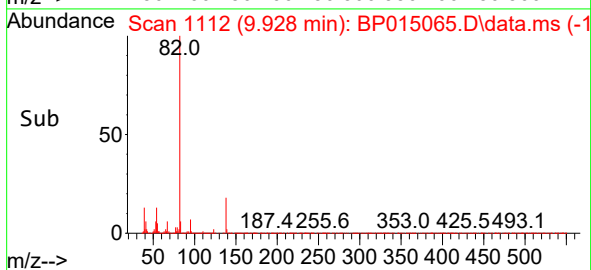
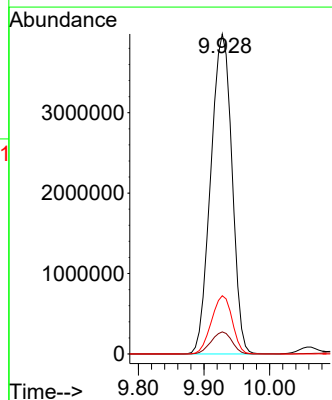
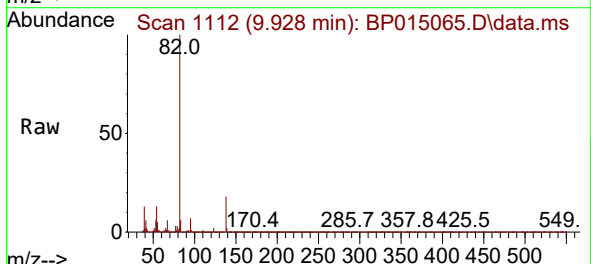
Instrument :
BNA_P
ClientSampleId :
SSTD160616

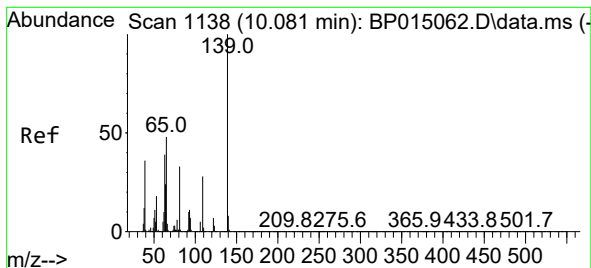
Tgt Ion: 77 Resp: 4529974
Ion Ratio Lower Upper
77 100
123 48.3 36.2 54.2
65 12.8 10.1 15.1



#23
Isophorone
Concen: 137.710 ng/ul
RT: 9.928 min Scan# 1112
Delta R.T. 0.035 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion: 82 Resp: 8924334
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 18.2 13.6 20.4

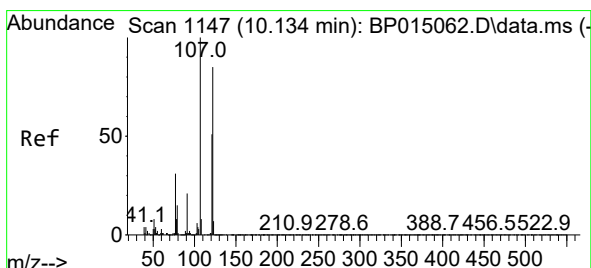
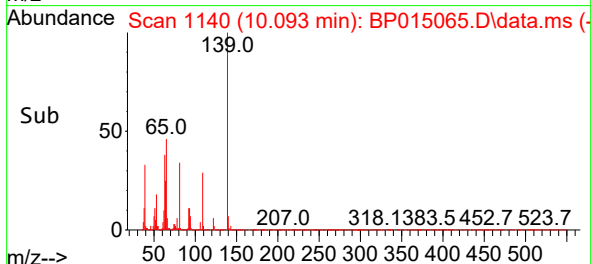
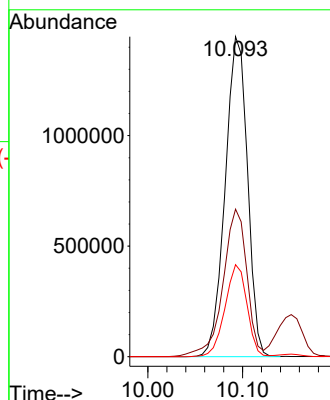
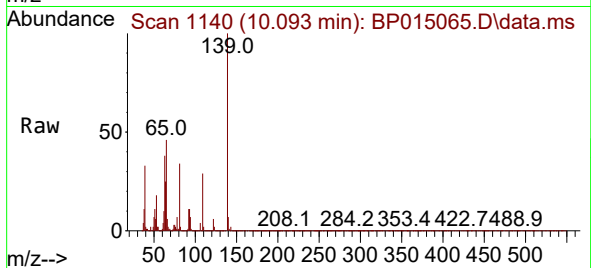




#25
2-Nitrophenol
Concen: 152.010 ng/ul
RT: 10.093 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

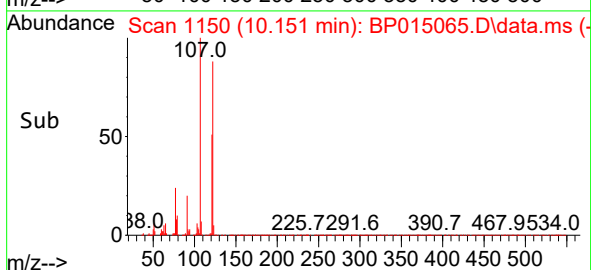
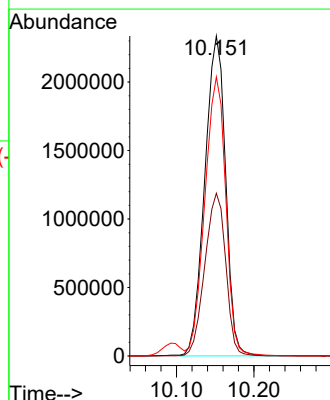
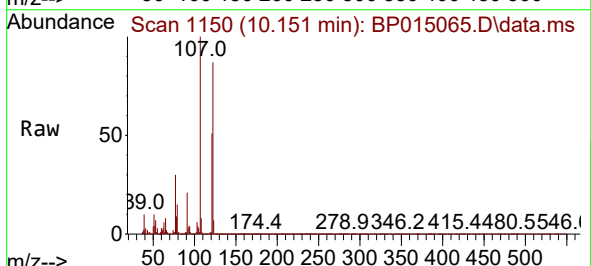
Instrument :
BNA_P
ClientSampleId :
SSTD160616

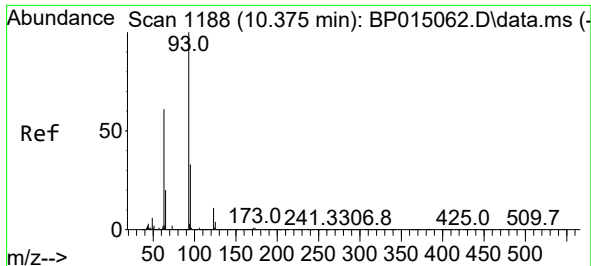
Tgt Ion:139 Resp: 2367701
Ion Ratio Lower Upper
139 100
65 46.1 38.4 57.6
109 28.7 22.2 33.2



#26
2,4-Dimethylphenol
Concen: 140.053 ng/ul
RT: 10.151 min Scan# 1150
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:107 Resp: 4353156
Ion Ratio Lower Upper
107 100
121 50.9 41.0 61.6
122 87.2 69.5 104.3

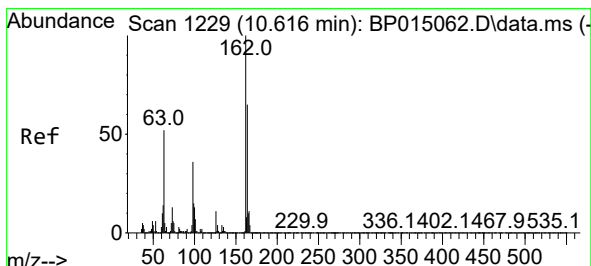
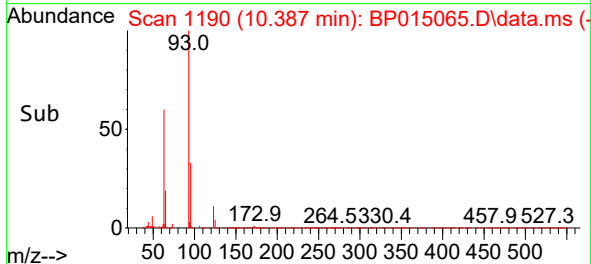
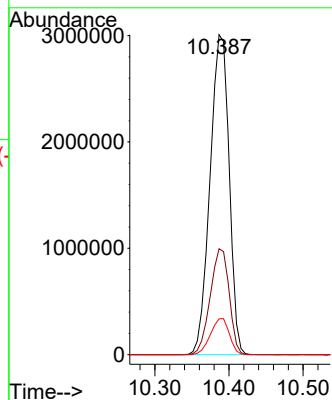
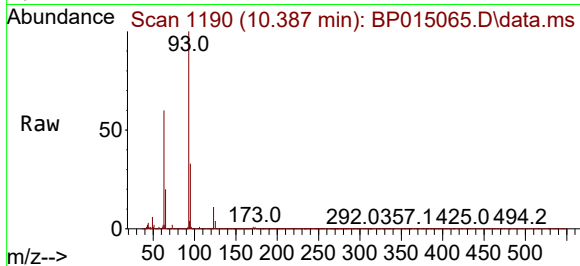




#27
Bis(2-Chloroethoxy)methane
Concen: 136.592 ng/ul
RT: 10.387 min Scan# 1188
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

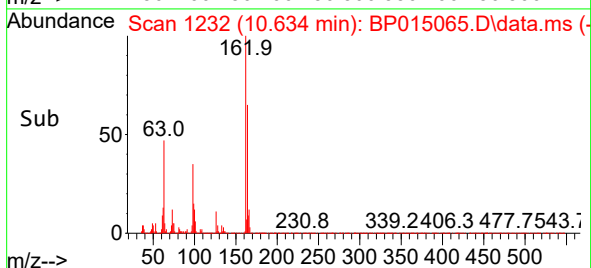
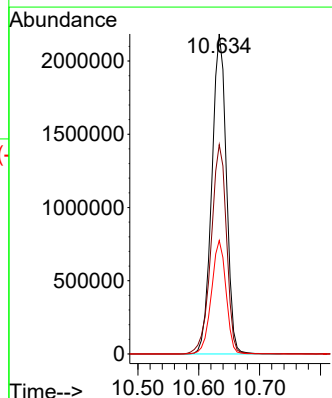
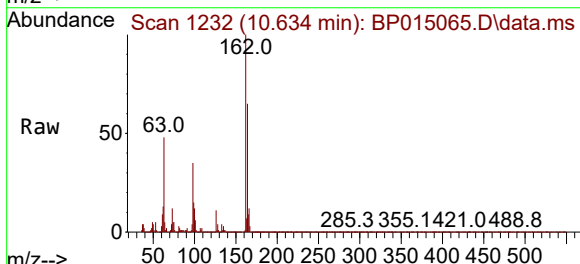
Instrument :
BNA_P
ClientSampleId :
SSTD160616

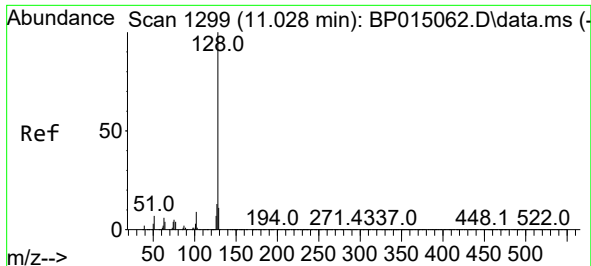
Tgt Ion: 93 Resp: 5385865
Ion Ratio Lower Upper
93 100
95 33.1 26.7 40.1
123 11.2 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 140.214 ng/ul
RT: 10.634 min Scan# 1232
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion: 162 Resp: 3630122
Ion Ratio Lower Upper
162 100
164 65.4 52.0 78.0
98 35.5 28.9 43.3

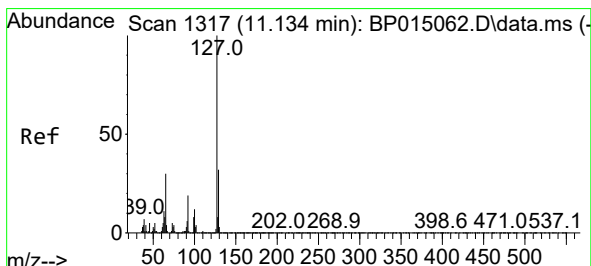
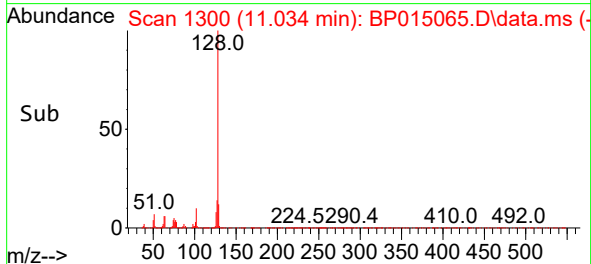
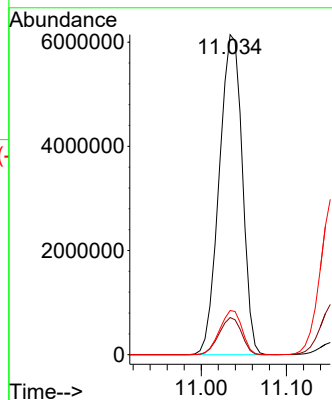
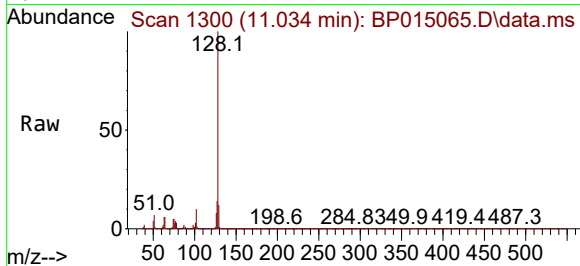




#30
Naphthalene
Concen: 130.788 ng/ul
RT: 11.034 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

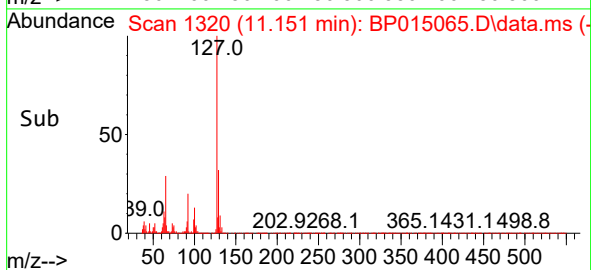
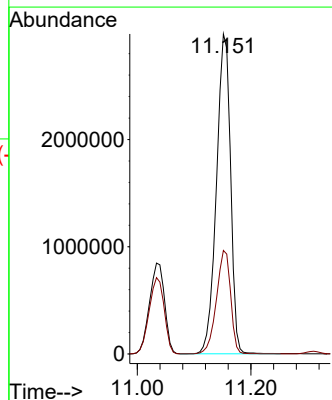
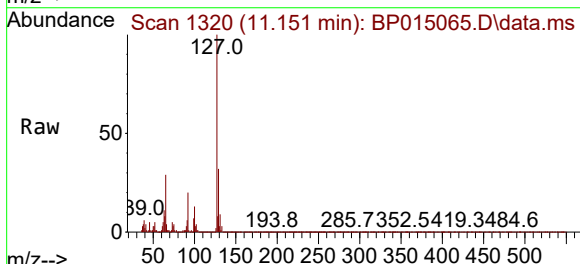
Instrument :
BNA_P
ClientSampleId :
SSTD160616

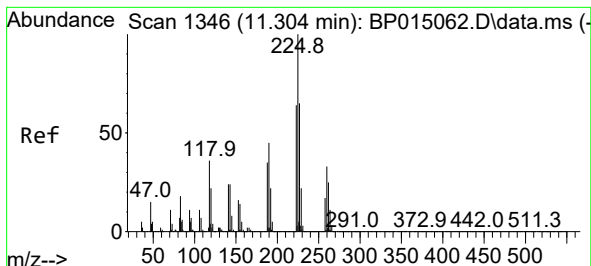
Tgt Ion:128 Resp:11551301
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.8 10.6 15.8



#32
4-Chloroaniline
Concen: 131.592 ng/ul
RT: 11.151 min Scan# 1320
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:127 Resp: 5129039
Ion Ratio Lower Upper
127 100
129 32.3 25.8 38.8





#33

Hexachlorobutadiene

Concen: 142.727 ng/ul

RT: 11.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

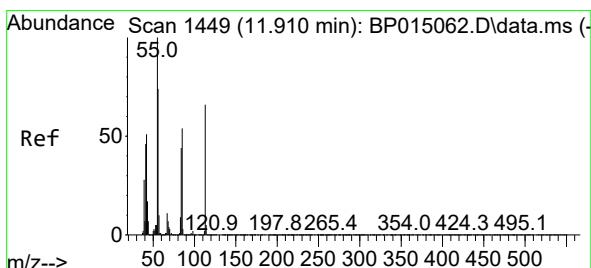
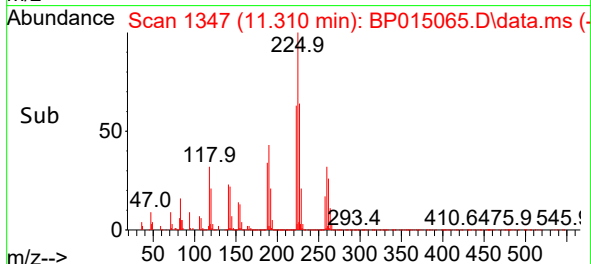
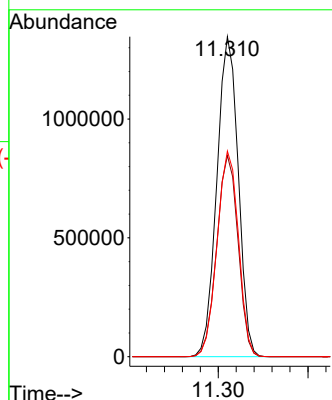
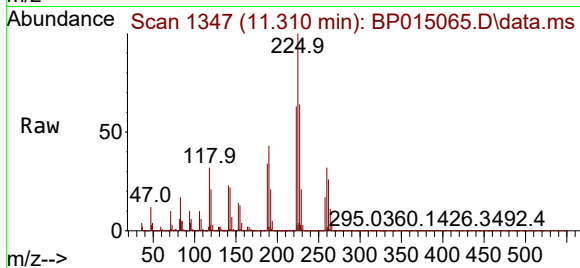
Tgt Ion:225 Resp: 2227090

Ion Ratio Lower Upper

225 100

223 62.9 51.0 76.6

227 64.3 52.2 78.4



#34

Caprolactam

Concen: 82.774 ng/ul

RT: 11.998 min Scan# 1464

Delta R.T. 0.088 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

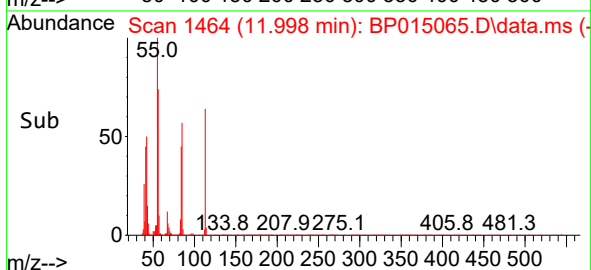
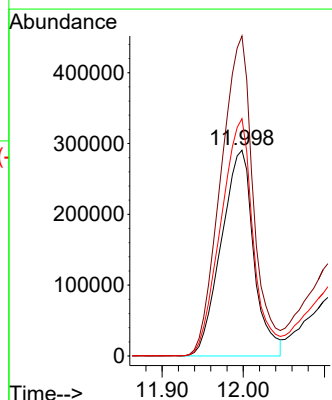
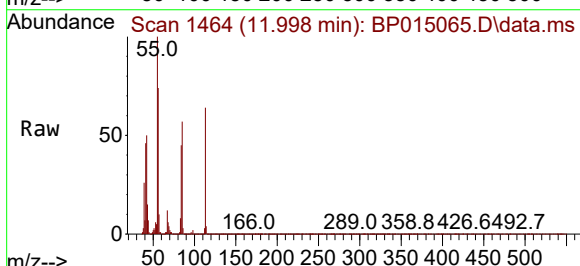
Tgt Ion:113 Resp: 807888

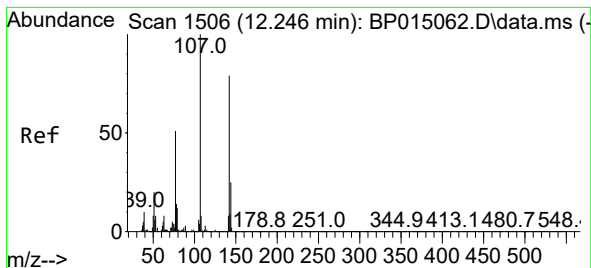
Ion Ratio Lower Upper

113 100

55 155.6 121.2 181.8

56 115.4 90.2 135.4

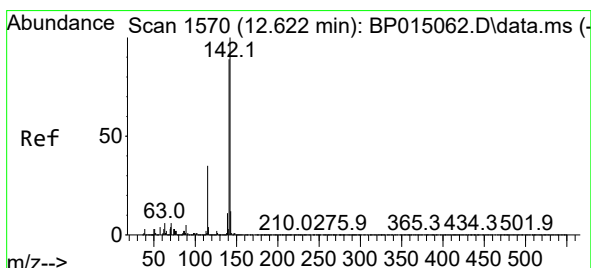
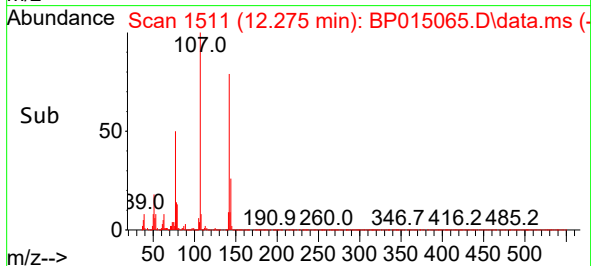
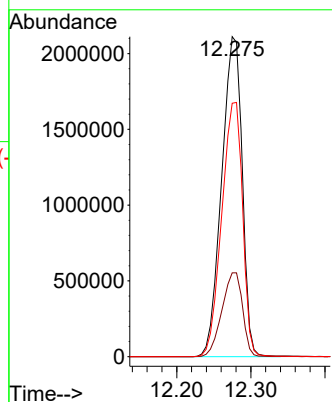
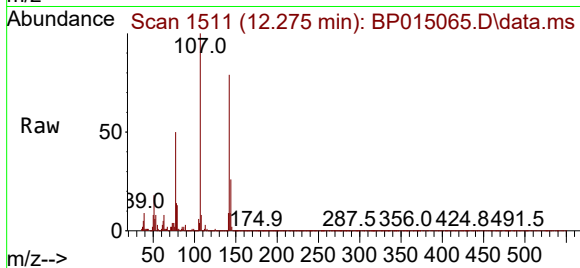




#35
4-Chloro-3-methylphenol
Concen: 139.093 ng/ul
RT: 12.275 min Scan# 1511
Delta R.T. 0.029 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

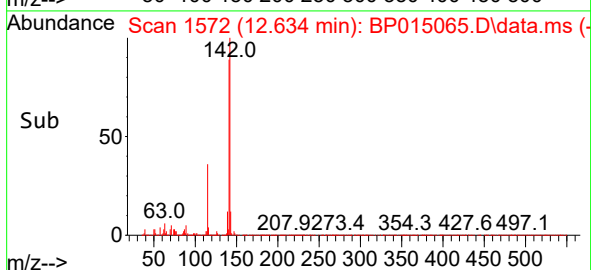
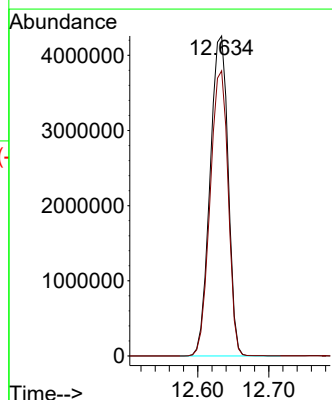
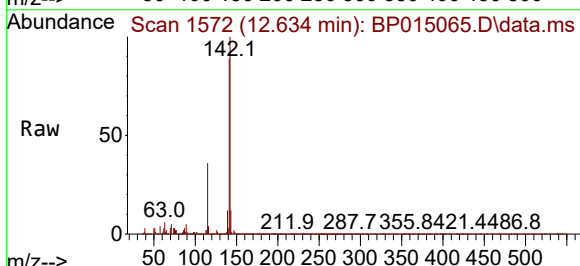
Instrument :
BNA_P
ClientSampleId :
SSTD160616

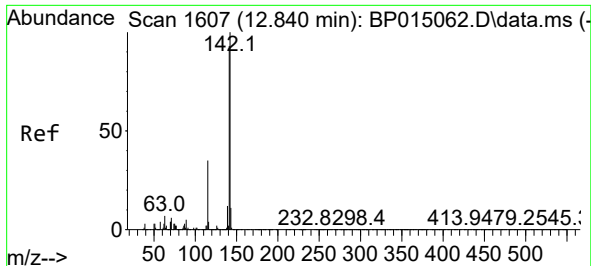
Tgt Ion:107 Resp: 4066181
Ion Ratio Lower Upper
107 100
144 26.2 20.3 30.5
142 79.2 63.2 94.8



#36
2-Methylnaphthalene
Concen: 126.803 ng/ul
RT: 12.634 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:142 Resp: 7545959
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6

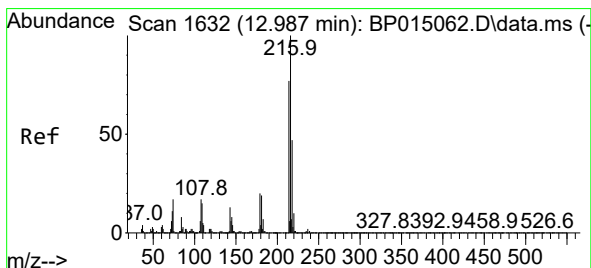
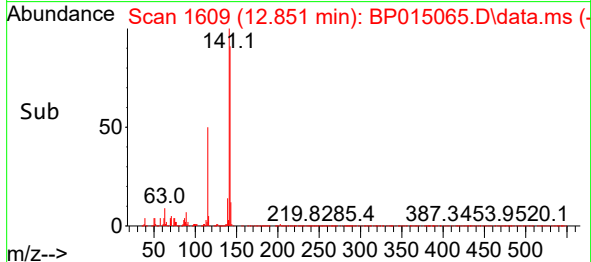
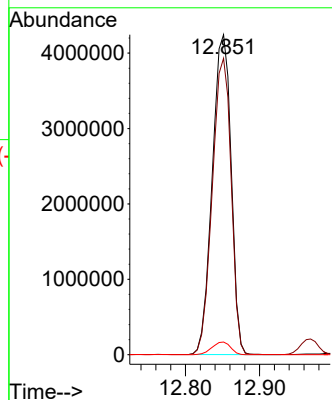
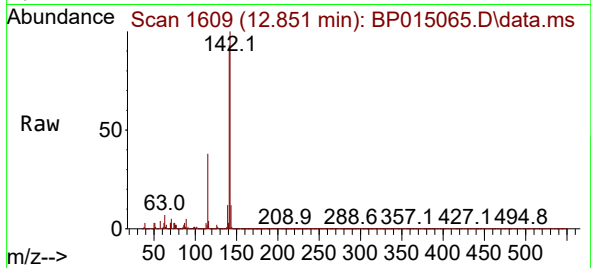




#37
1-Methylnaphthalene
Concen: 125.400 ng/ul
RT: 12.851 min Scan# 1609
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

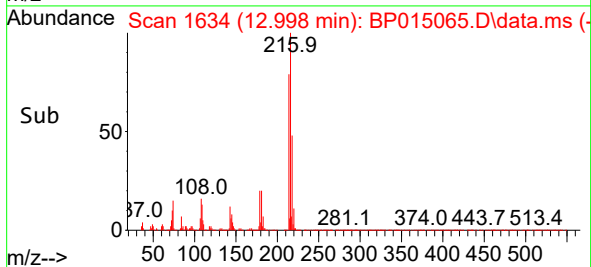
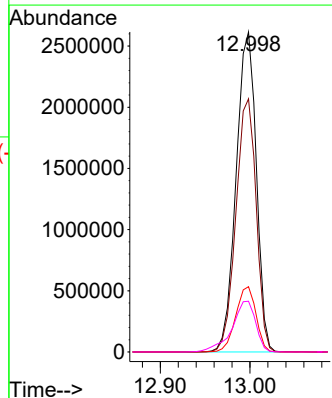
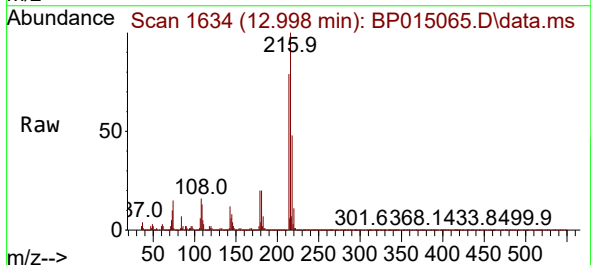
Instrument :
BNA_P
ClientSampleId :
SSTD160616

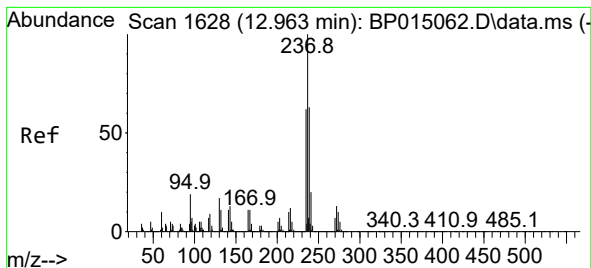
Tgt Ion:142 Resp: 7493985
Ion Ratio Lower Upper
142 100
141 92.6 74.6 112.0
116 4.0 2.9 4.3



#39
1,2,4,5-Tetrachlorobenzene
Concen: 137.710 ng/ul
RT: 12.998 min Scan# 1634
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:216 Resp: 4080612
Ion Ratio Lower Upper
216 100
214 79.1 61.4 92.0
179 20.4 15.9 23.9
108 15.8 13.7 20.5





#40

Hexachlorocyclopentadiene

Concen: 160.528 ng/ul

RT: 12.969 min Scan# 1628

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

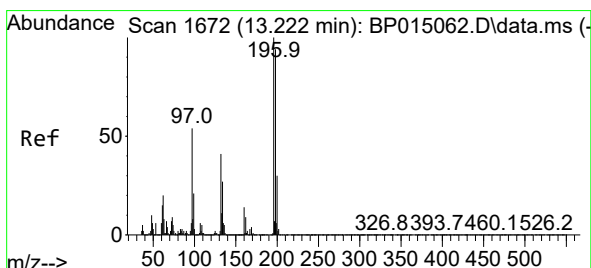
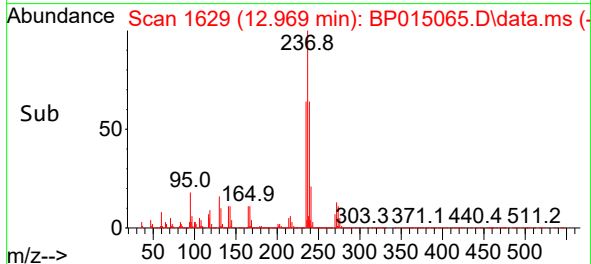
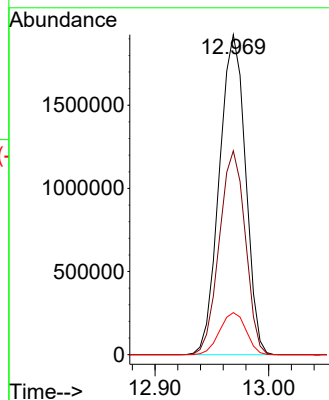
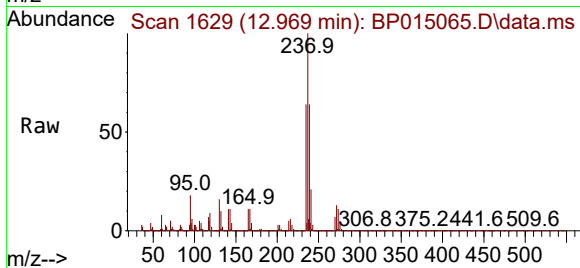
Tgt Ion:237 Resp: 3081947

Ion Ratio Lower Upper

237 100

235 63.7 49.4 74.0

272 13.2 10.4 15.6



#41

2,4,6-Trichlorophenol

Concen: 143.837 ng/ul

RT: 13.234 min Scan# 1674

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

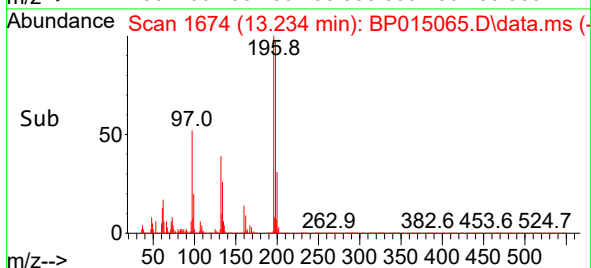
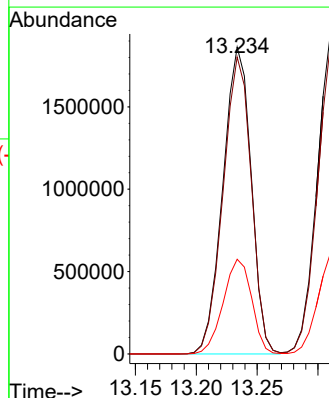
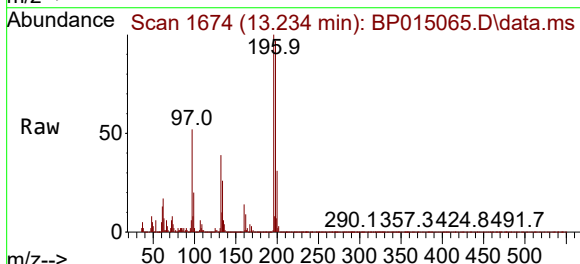
Tgt Ion:196 Resp: 3009647

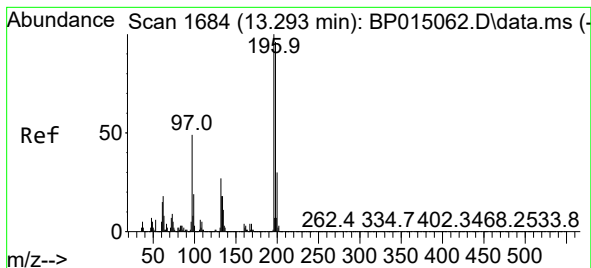
Ion Ratio Lower Upper

196 100

198 96.8 75.5 113.3

200 30.9 23.6 35.4





#42

2,4,5-Trichlorophenol

Concen: 144.653 ng/ul

RT: 13.310 min Scan# 1

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

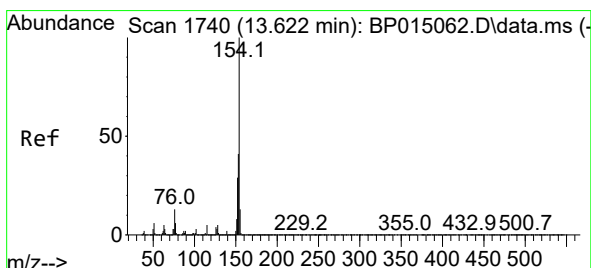
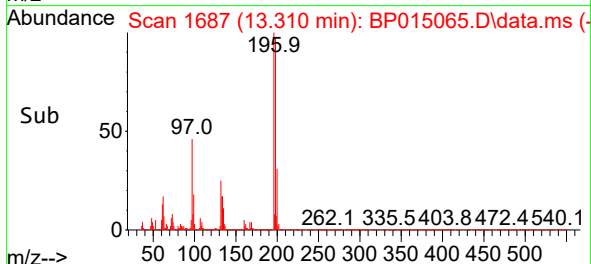
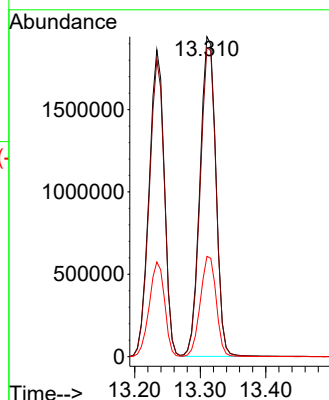
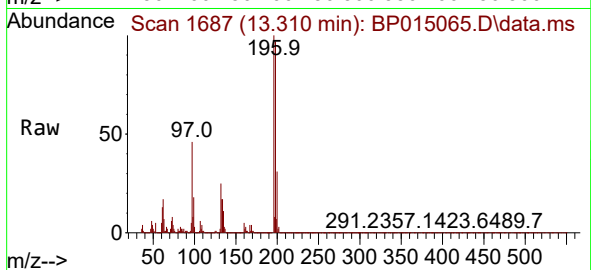
Tgt Ion:196 Resp: 3281723

Ion Ratio Lower Upper

196 100

198 96.7 77.0 115.4

200 31.3 24.3 36.5



#43

1,1'-Biphenyl

Concen: 120.252 ng/ul

RT: 13.634 min Scan# 1742

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

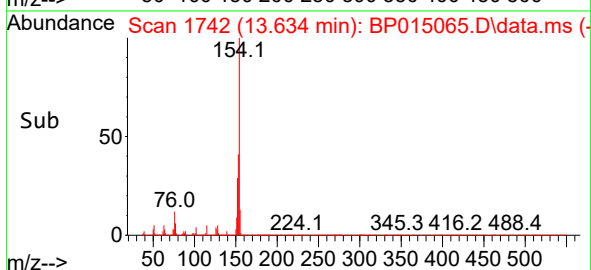
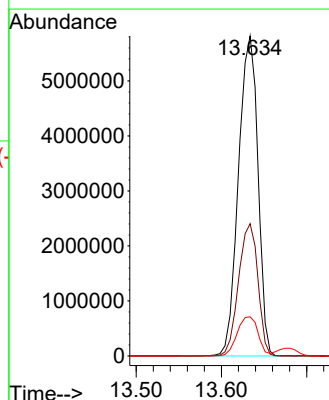
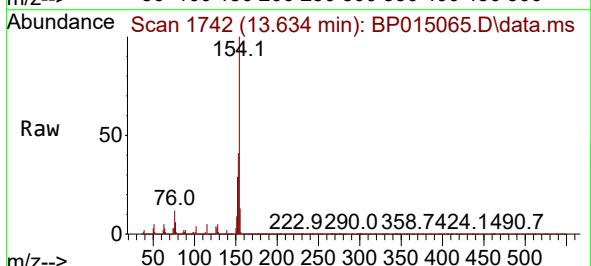
Tgt Ion:154 Resp: 9243942

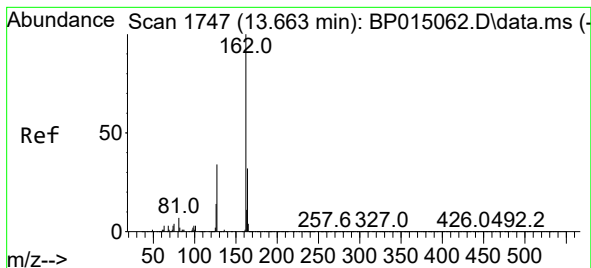
Ion Ratio Lower Upper

154 100

153 41.3 32.7 49.1

76 12.2 10.7 16.1





#44

2-Chloronaphthalene

Concen: 129.084 ng/ul

RT: 13.681 min Scan# 1750

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

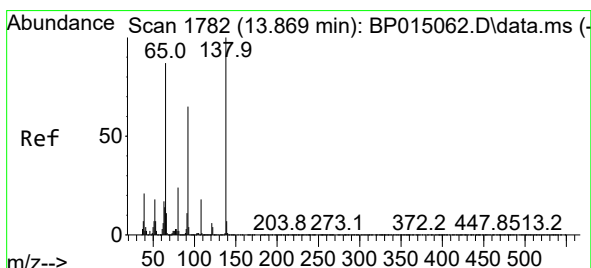
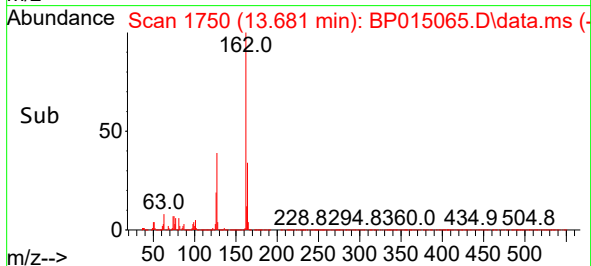
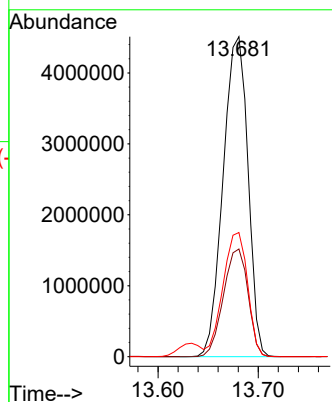
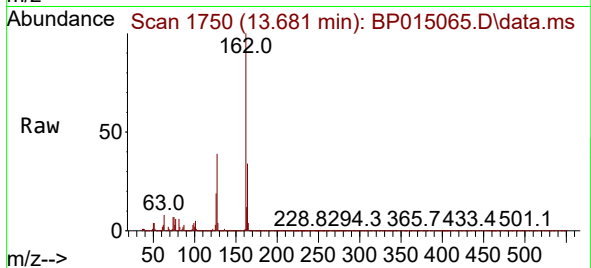
Tgt Ion:162 Resp: 7749238

Ion Ratio Lower Upper

162 100

164 33.7 25.9 38.9

127 38.8 30.8 46.2



#45

2-Nitroaniline

Concen: 151.889 ng/ul

RT: 13.887 min Scan# 1785

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

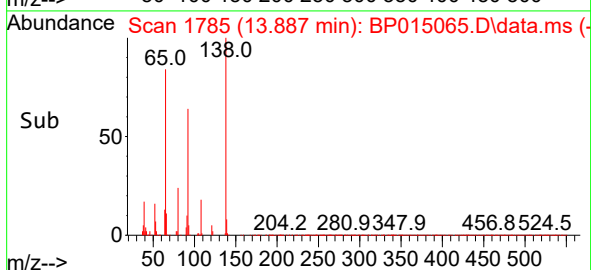
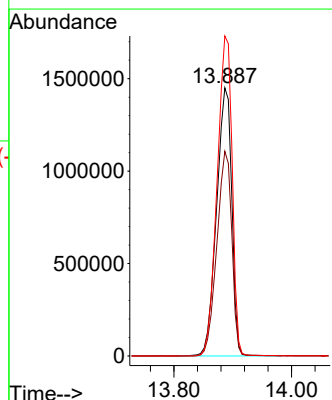
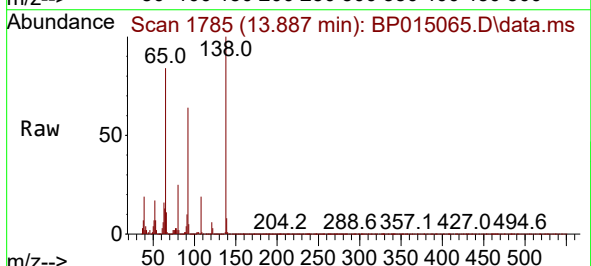
Tgt Ion: 65 Resp: 2608972

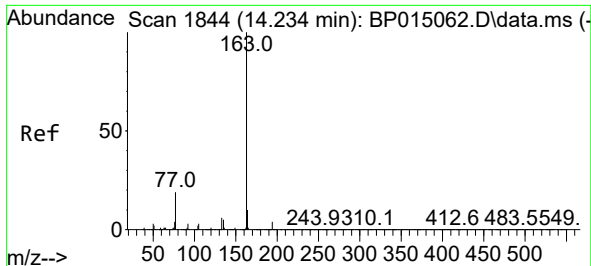
Ion Ratio Lower Upper

65 100

92 76.3 59.8 89.8

138 119.3 92.3 138.5

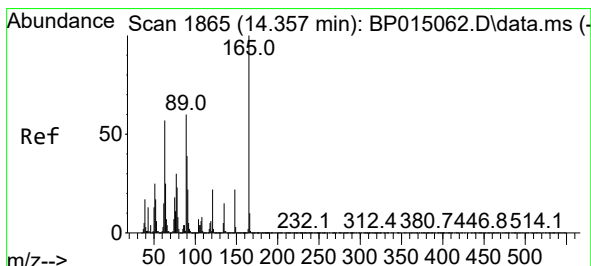
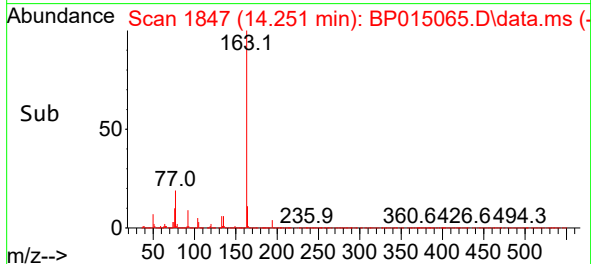
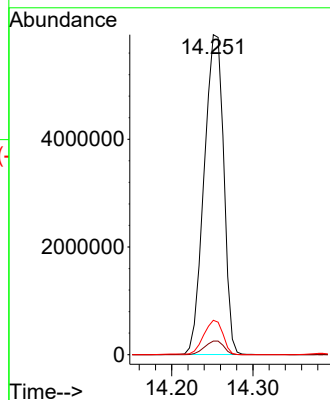
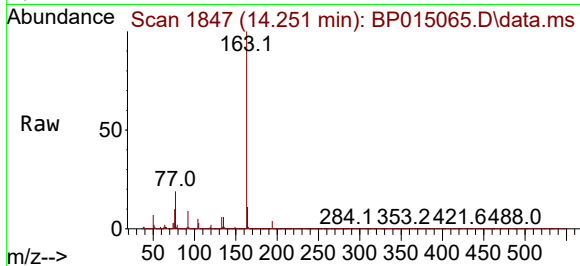




#47
Dimethylphthalate
Concen: 127.446 ng/ul
RT: 14.251 min Scan# 1847
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

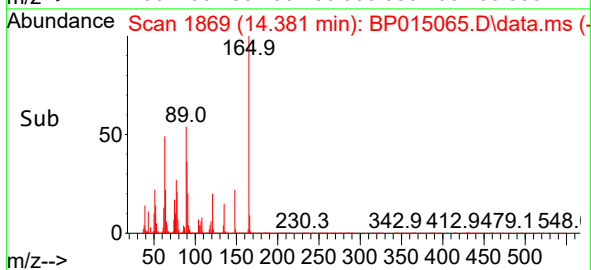
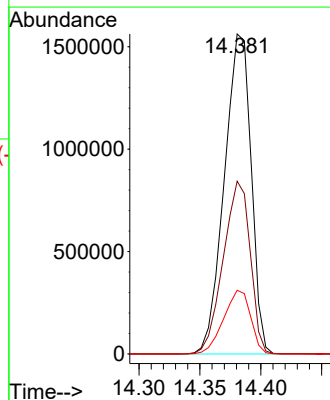
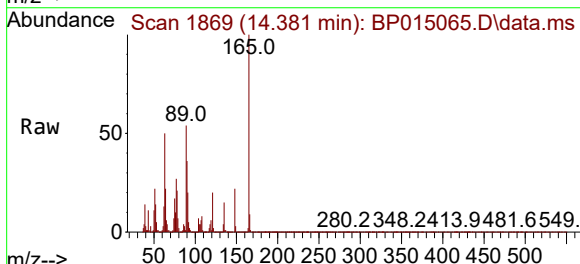
Instrument :
BNA_P
ClientSampleId :
SSTD160616

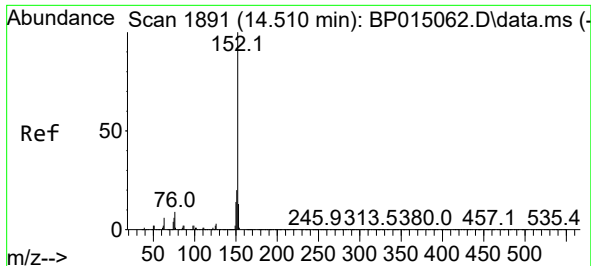
Tgt Ion:163 Resp: 9937152
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 10.8 8.2 12.4



#48
2,6-Dinitrotoluene
Concen: 155.295 ng/ul
RT: 14.381 min Scan# 1869
Delta R.T. 0.023 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:165 Resp: 2398889
Ion Ratio Lower Upper
165 100
89 54.0 48.0 72.0
121 19.9 17.5 26.3

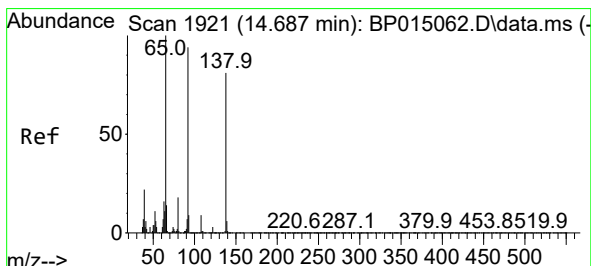
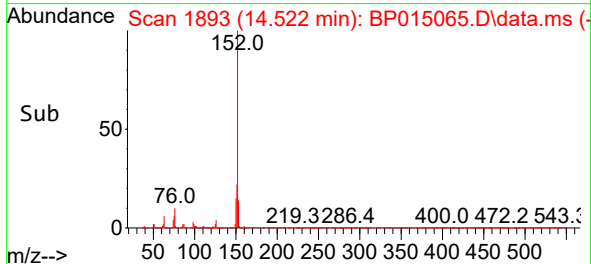
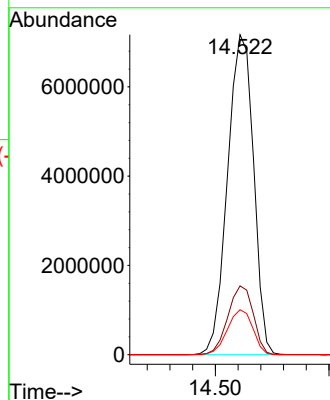
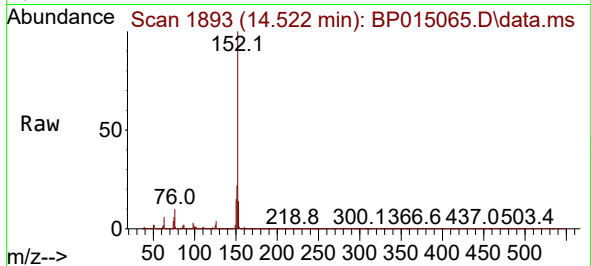




#50
Acenaphthylene
Concen: 119.102 ng/ul
RT: 14.522 min Scan# 1893
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

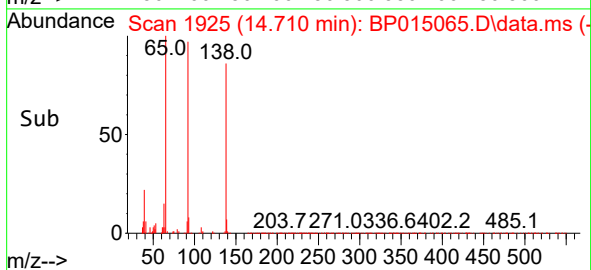
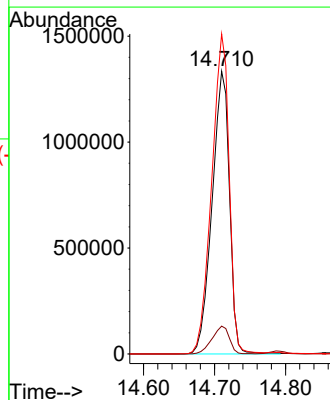
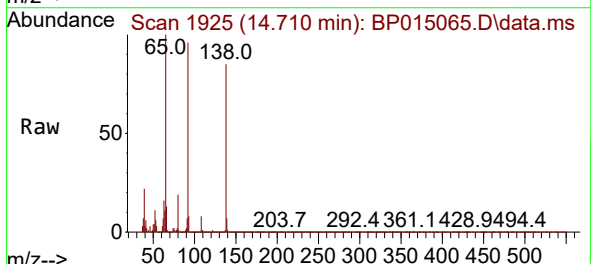
Instrument :
BNA_P
ClientSampleId :
SSTD160616

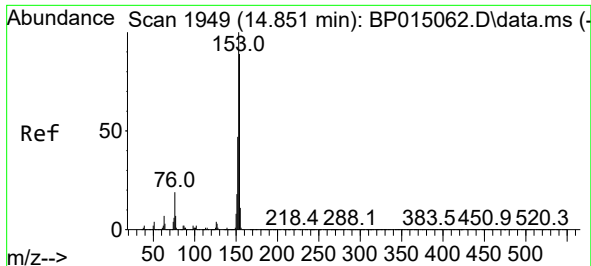
Tgt Ion:152 Resp:11379172
Ion Ratio Lower Upper
152 100
151 21.5 16.1 24.1
153 14.1 10.3 15.5



#51
3-Nitroaniline
Concen: 162.709 ng/ul
RT: 14.710 min Scan# 1925
Delta R.T. 0.023 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:138 Resp: 2263216
Ion Ratio Lower Upper
138 100
108 9.9 8.8 13.2
92 113.2 93.4 140.0

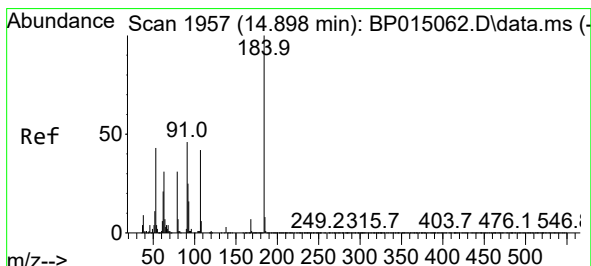
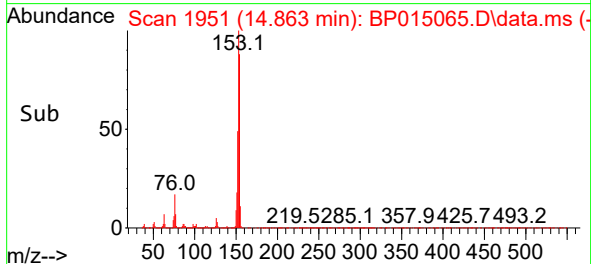
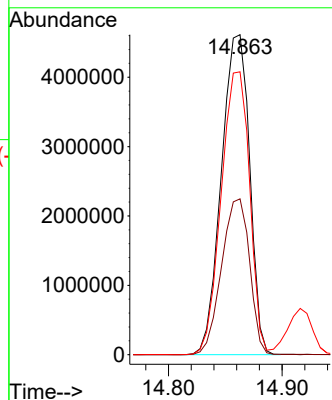
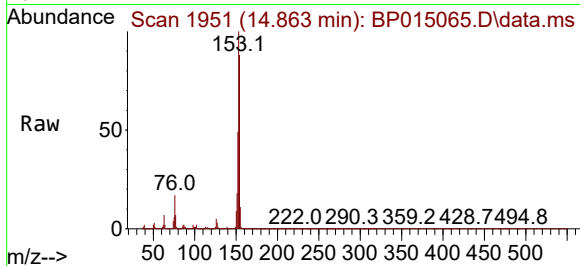




#52
Acenaphthene
Concen: 122.180 ng/ul
RT: 14.863 min Scan# 1951
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

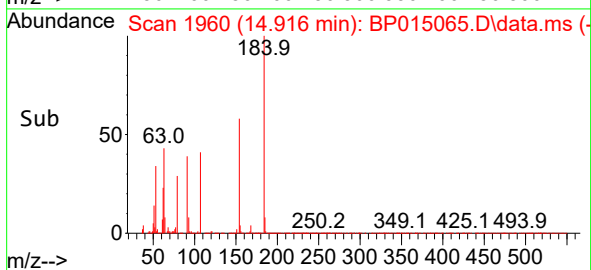
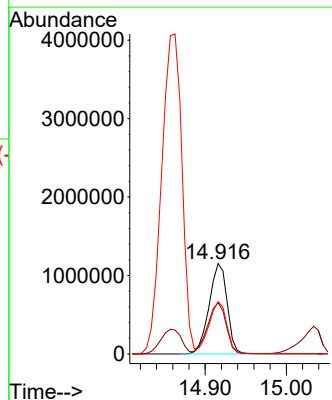
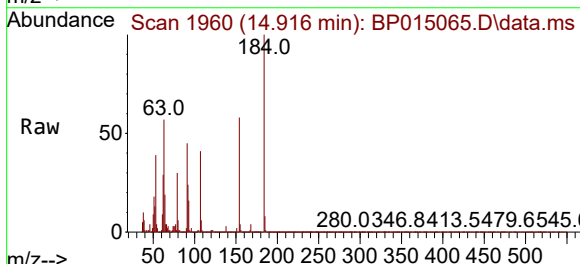
Instrument :
BNA_P
ClientSampleId :
SSTD160616

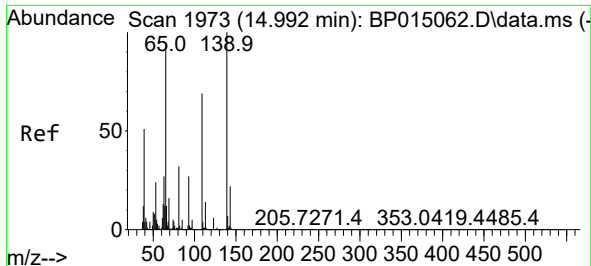
Tgt Ion:153 Resp: 7972671
Ion Ratio Lower Upper
153 100
152 48.7 38.0 57.0
154 88.4 71.0 106.4



#53
2,4-Dinitrophenol
Concen: 173.843 ng/ul
RT: 14.916 min Scan# 1960
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:184 Resp: 1783003
Ion Ratio Lower Upper
184 100
63 56.9 49.7 74.5
154 57.9 47.5 71.3

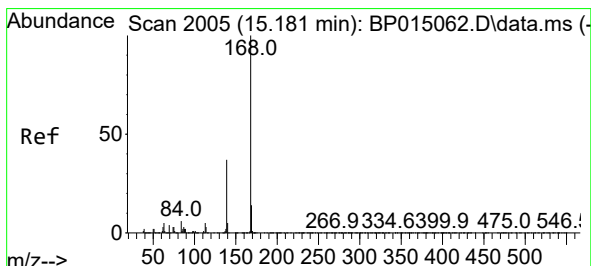
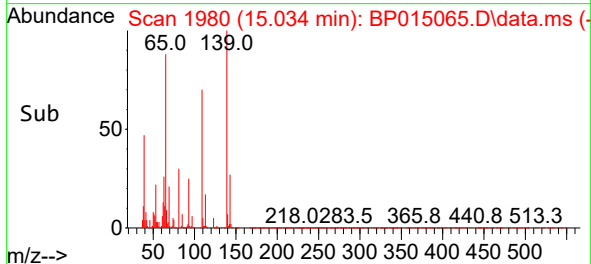
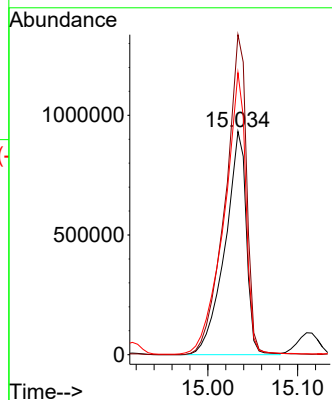
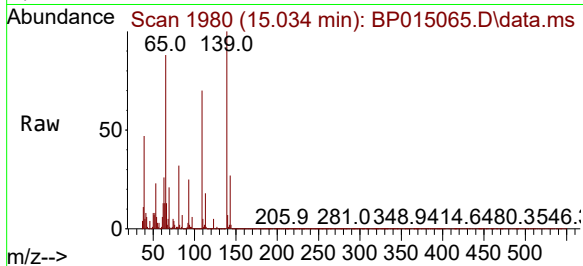




#55
4-Nitrophenol
Concen: 143.484 ng/ul
RT: 15.034 min Scan# 1508
Delta R.T. 0.041 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

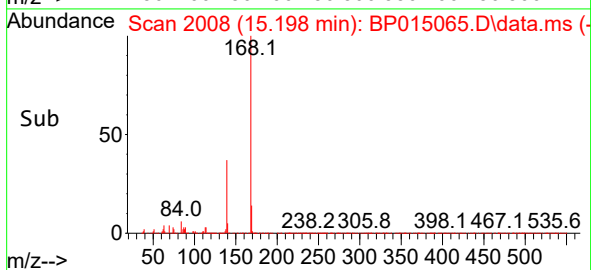
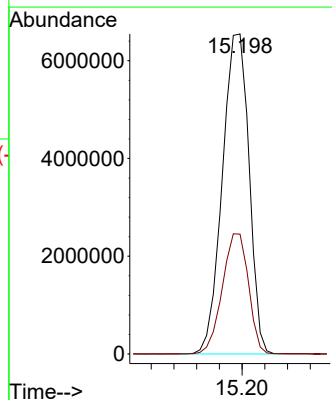
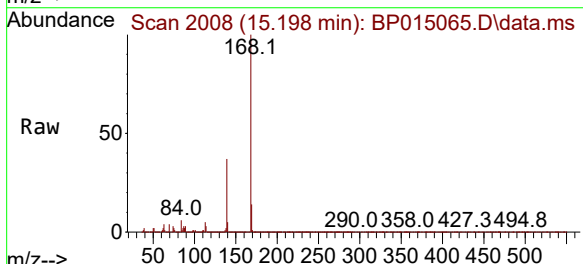
Instrument :
BNA_P
ClientSampleId :
SSTD160616

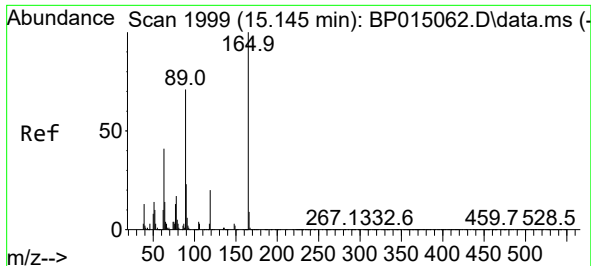
Tgt Ion:109 Resp: 1534231
Ion Ratio Lower Upper
109 100
139 143.4 115.3 172.9
65 126.3 107.9 161.9



#56
Dibenzofuran
Concen: 117.546 ng/ul
RT: 15.198 min Scan# 2008
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:168 Resp:10668744
Ion Ratio Lower Upper
168 100
139 37.4 29.4 44.0





#57

2,4-Dinitrotoluene

Concen: 143.788 ng/ul

RT: 15.169 min Scan# 2003

Delta R.T. 0.023 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

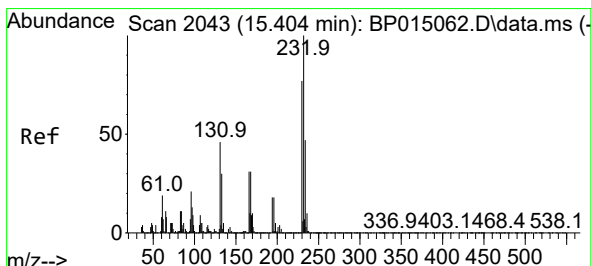
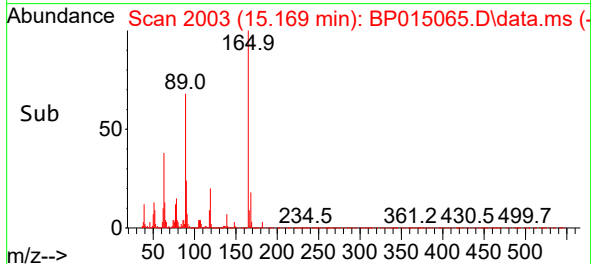
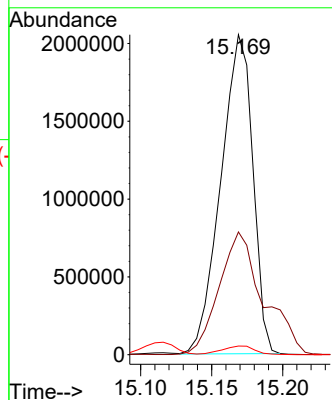
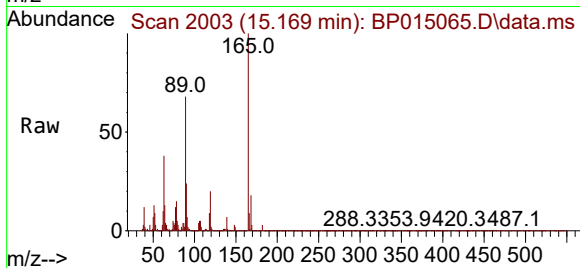
Tgt Ion:165 Resp: 3214033

Ion Ratio Lower Upper

165 100

63 38.3 33.1 49.7

182 2.7 2.1 3.1



#58

2,3,4,6-Tetrachlorophenol

Concen: 144.440 ng/ul

RT: 15.422 min Scan# 2046

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Tgt Ion:232 Resp: 2765585

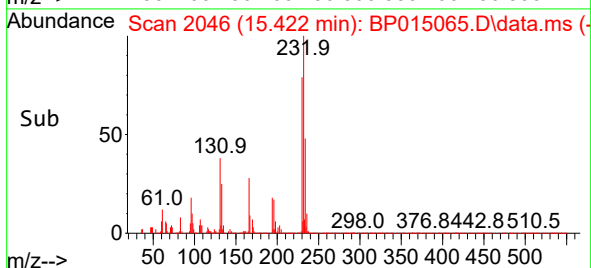
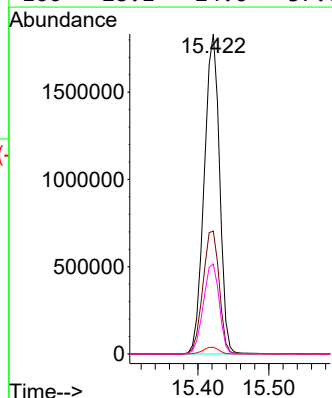
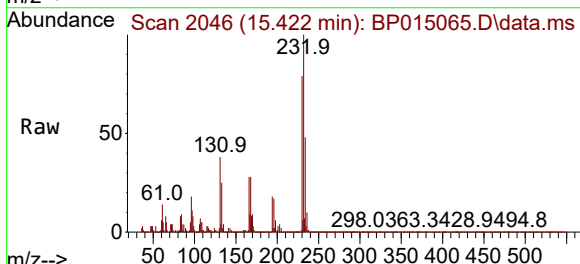
Ion Ratio Lower Upper

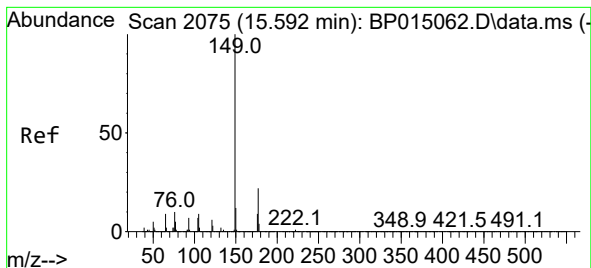
232 100

131 38.4 36.8 55.2

130 2.1 1.9 2.9

166 28.1 24.6 37.0





#59

Diethylphthalate

Concen: 122.726 ng/ul

RT: 15.610 min Scan# 2075

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

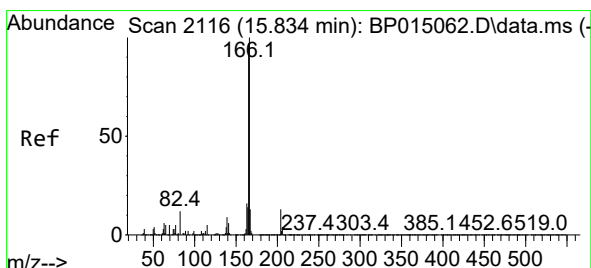
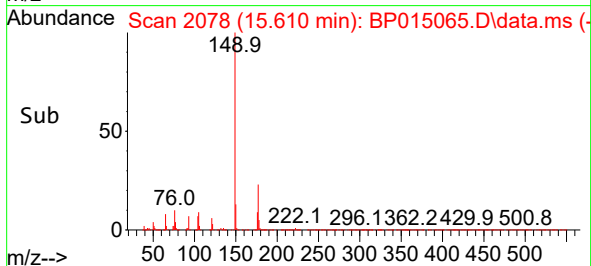
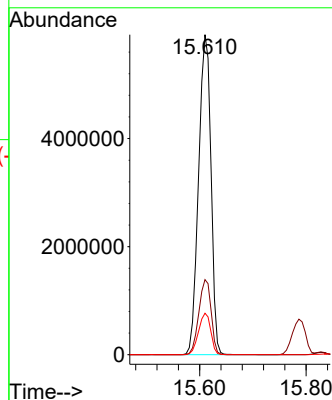
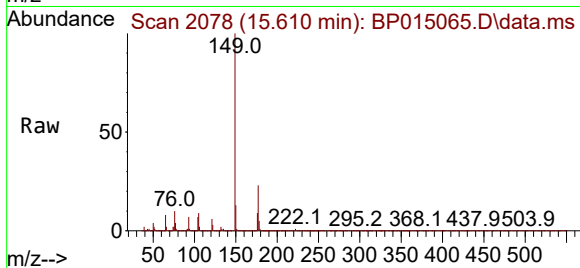
Tgt Ion:149 Resp: 9544031

Ion Ratio Lower Upper

149 100

177 23.4 17.5 26.3

150 13.0 9.8 14.8



#61

Fluorene

Concen: 107.674 ng/ul

RT: 15.851 min Scan# 2119

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

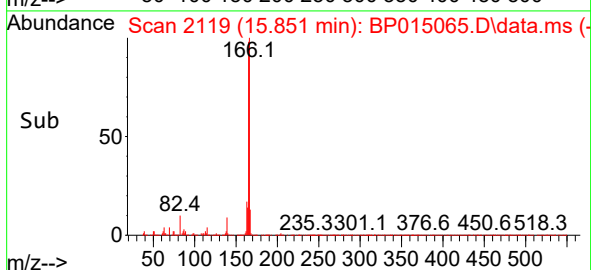
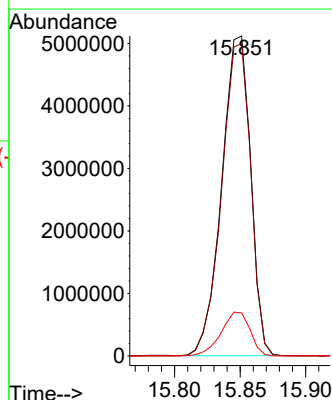
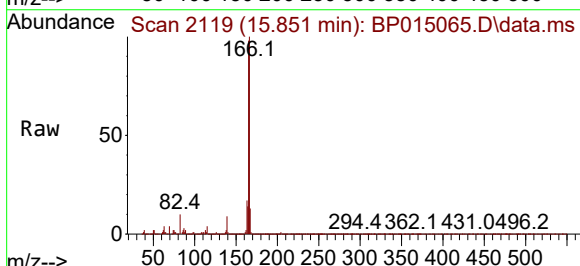
Tgt Ion:166 Resp: 7853615

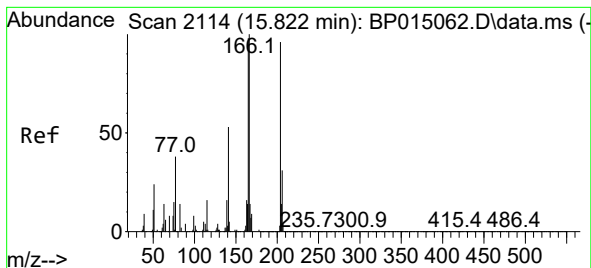
Ion Ratio Lower Upper

166 100

165 97.7 77.8 116.6

167 13.4 10.6 15.8

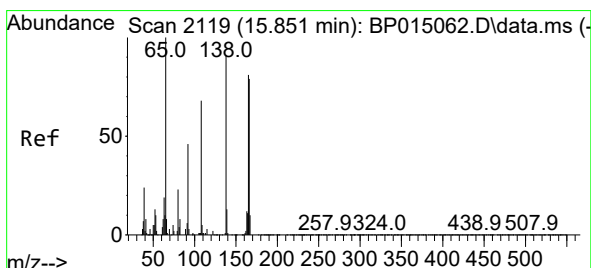
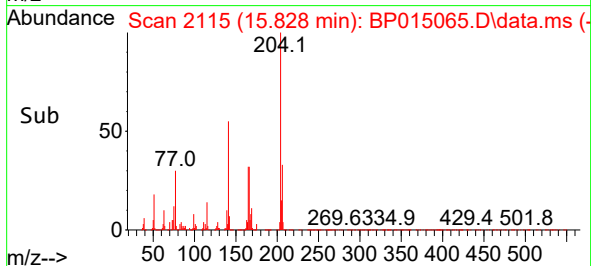
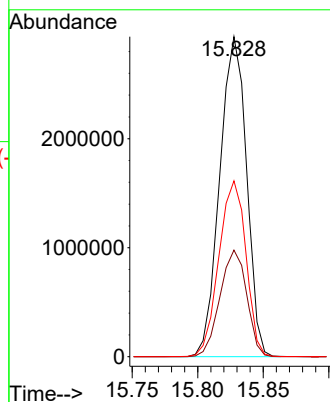
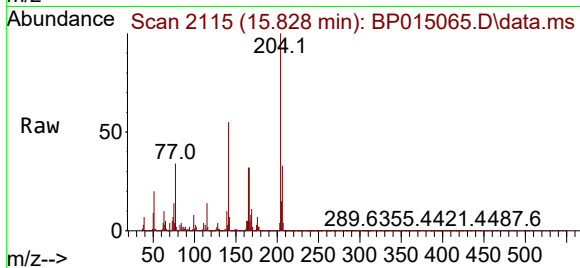




#62
4-Chlorophenyl-phenylether
Concen: 117.167 ng/ul
RT: 15.828 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

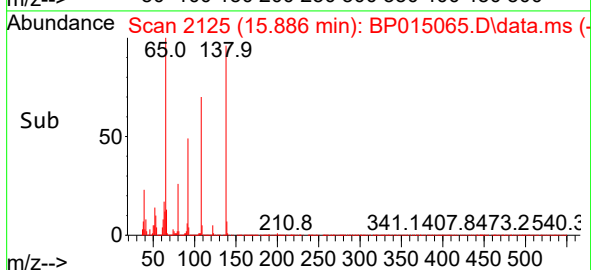
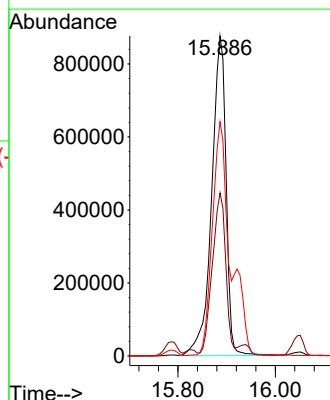
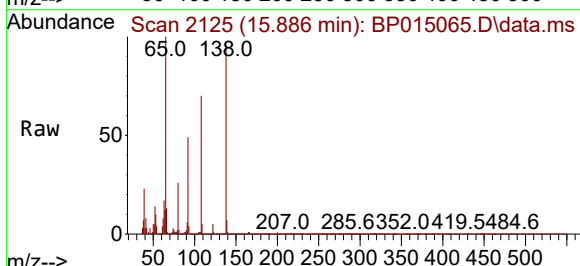
Instrument :
BNA_P
ClientSampleId :
SSTD160616

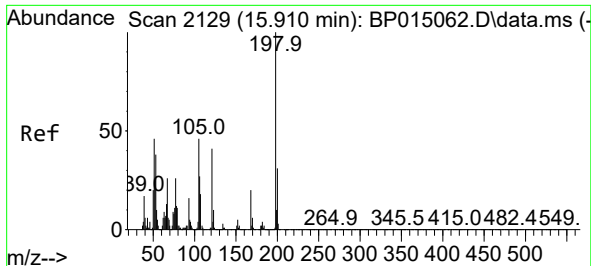
Tgt Ion:204 Resp: 4175631
Ion Ratio Lower Upper
204 100
206 33.3 26.1 39.1
141 54.9 44.5 66.7



#63
4-Nitroaniline
Concen: 149.552 ng/ul
RT: 15.886 min Scan# 2125
Delta R.T. 0.035 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:138 Resp: 1796365
Ion Ratio Lower Upper
138 100
92 50.9 41.2 61.8
108 73.2 60.1 90.1

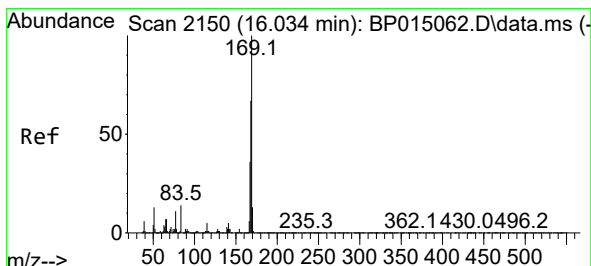
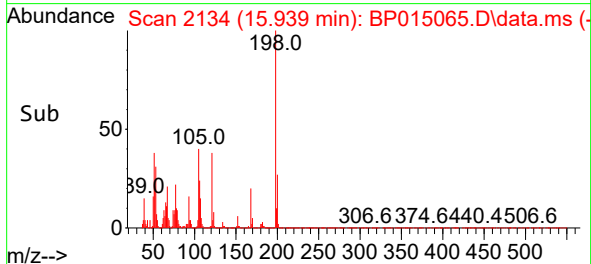
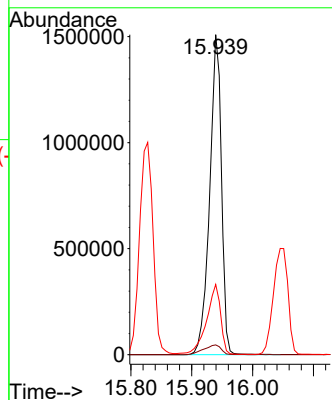
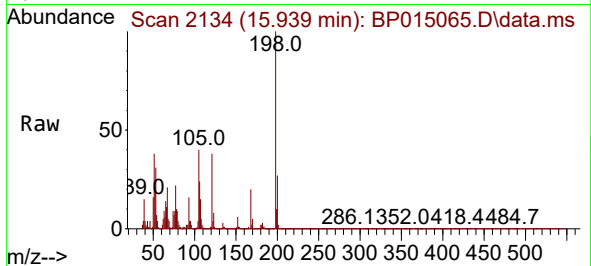




#66
4,6-Dinitro-2-methylphenol
Concen: 148.256 ng/ul
RT: 15.939 min Scan# 2129
Delta R.T. 0.029 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

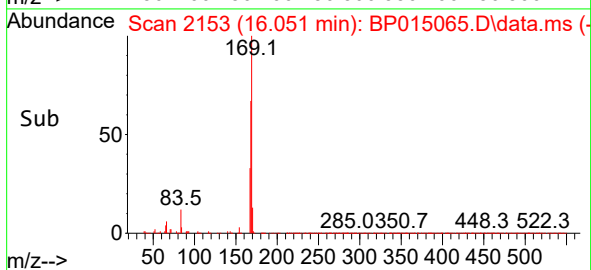
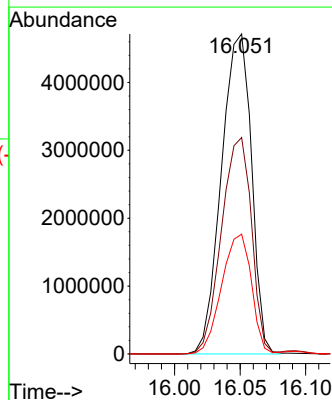
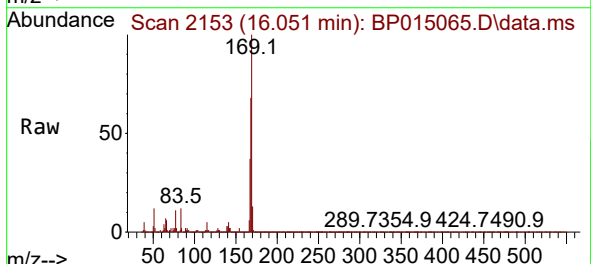
Instrument :
BNA_P
ClientSampleId :
SSTD160616

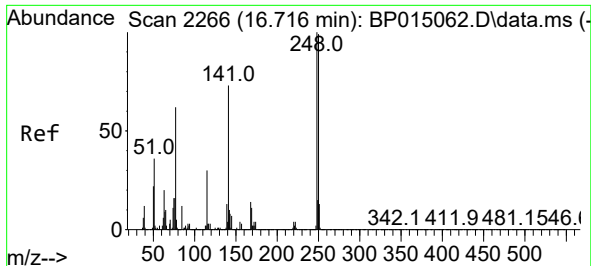
Tgt Ion:198 Resp: 2027939
Ion Ratio Lower Upper
198 100
182 3.1 3.7 5.5#
77 22.0 21.2 31.8



#67
N-Nitrosodiphenylamine
Concen: 121.624 ng/ul
RT: 16.051 min Scan# 2153
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:169 Resp: 7521065
Ion Ratio Lower Upper
169 100
168 67.7 53.5 80.3
167 37.5 28.9 43.3

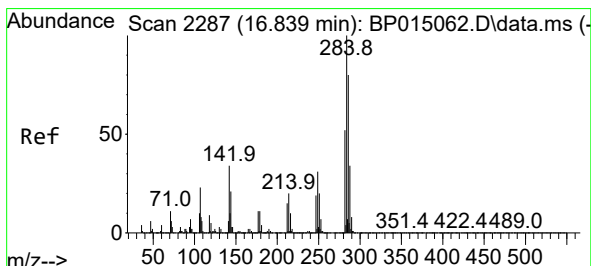
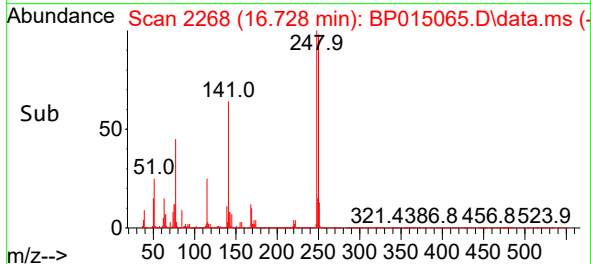
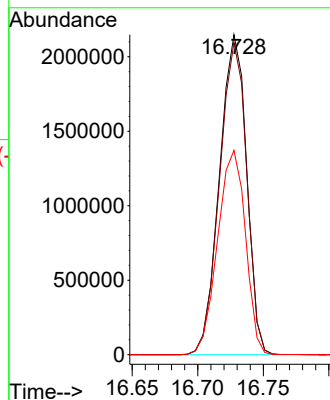
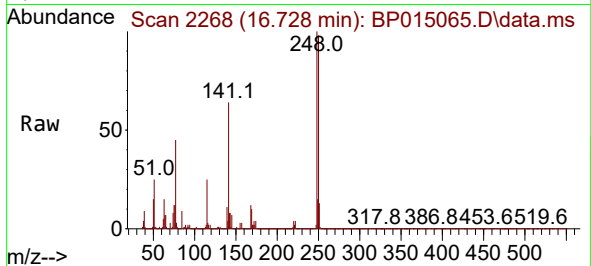




#68
4-Bromophenyl-phenylether
Concen: 142.512 ng/ul
RT: 16.728 min Scan# 2268
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

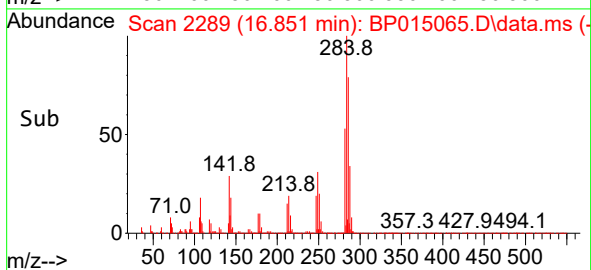
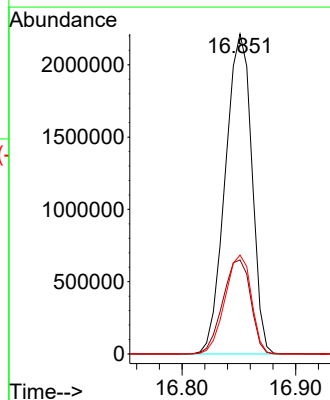
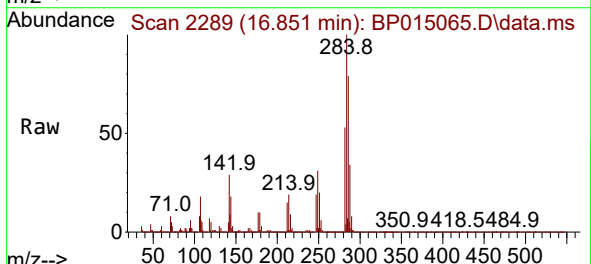
Instrument :
BNA_P
ClientSampleId :
SSTD160616

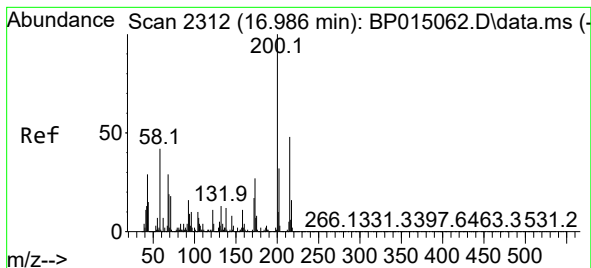
Tgt Ion:248 Resp: 3087073
Ion Ratio Lower Upper
248 100
250 97.5 79.0 118.4
141 63.9 58.6 87.8



#69
Hexachlorobenzene
Concen: 140.372 ng/ul
RT: 16.851 min Scan# 2289
Delta R.T. 0.012 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:284 Resp: 3593383
Ion Ratio Lower Upper
284 100
142 29.4 27.3 40.9
249 30.9 24.6 36.8





#70

Atrazine

Concen: 138.716 ng/ul

RT: 17.010 min Scan# 21

Delta R.T. 0.023 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

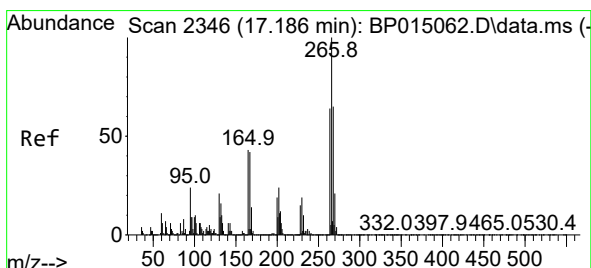
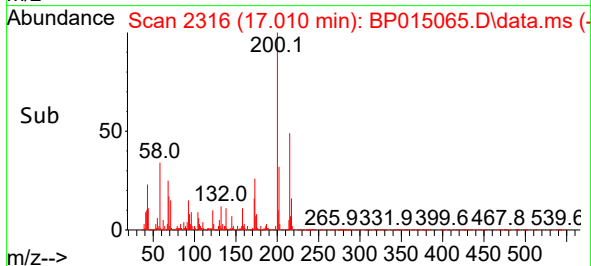
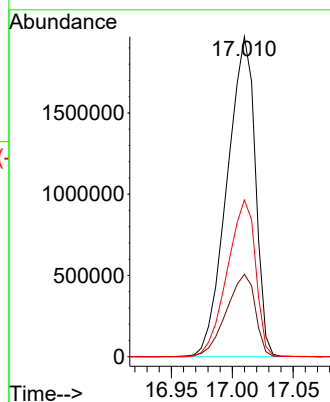
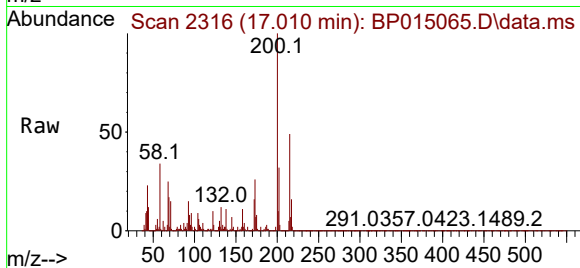
Tgt Ion:200 Resp: 3170605

Ion Ratio Lower Upper

200 100

173 25.8 21.4 32.2

215 48.9 38.1 57.1



#71

Pentachlorophenol

Concen: 153.581 ng/ul

RT: 17.192 min Scan# 2347

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

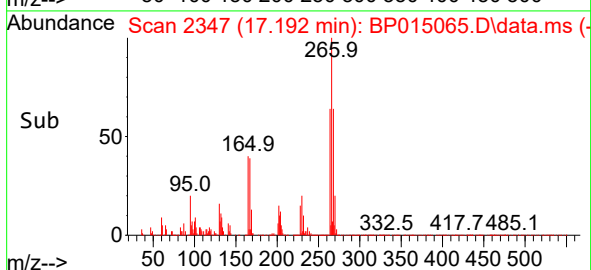
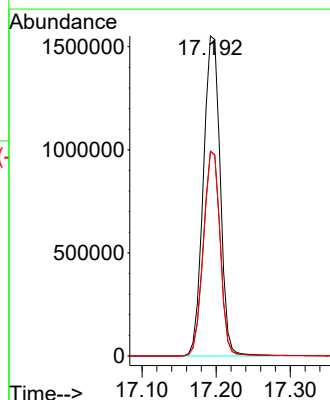
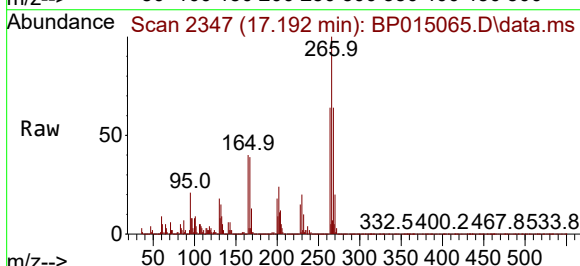
Tgt Ion:266 Resp: 2459237

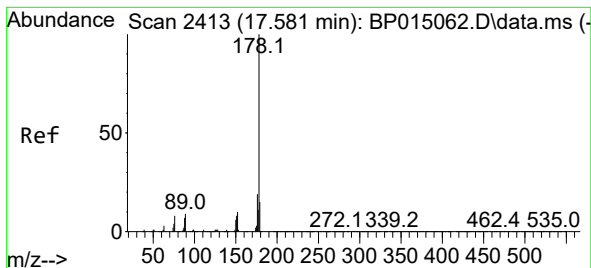
Ion Ratio Lower Upper

266 100

264 64.0 51.0 76.4

268 63.8 51.8 77.6





#72

Phenanthrene

Concen: 118.940 ng/ul

RT: 17.592 min Scan# 2413

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

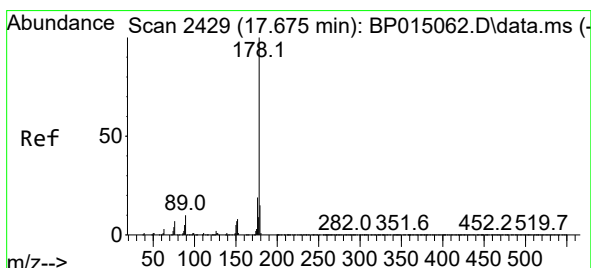
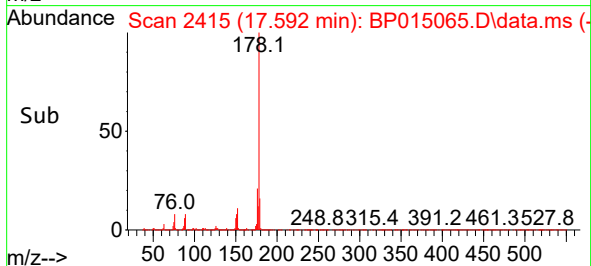
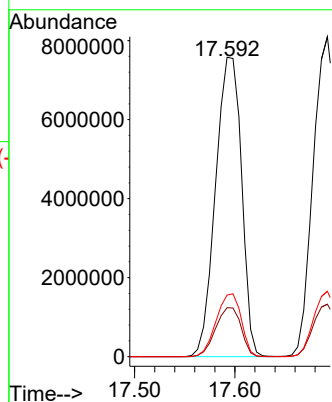
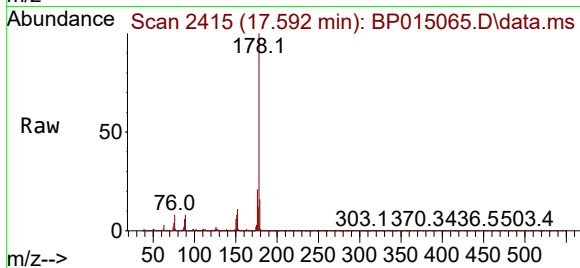
Tgt Ion:178 Resp:13621085

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.2

176 20.6 15.6 23.4



#74

Anthracene

Concen: 111.401 ng/ul

RT: 17.692 min Scan# 2432

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

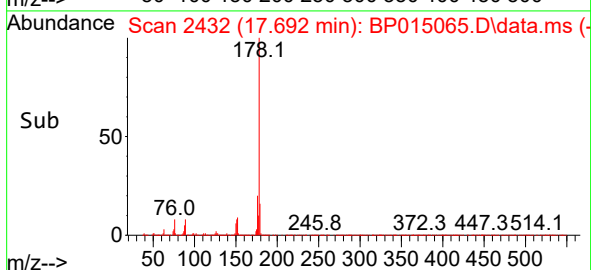
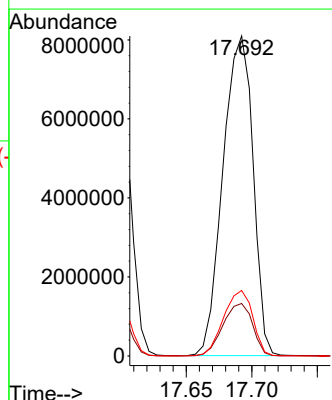
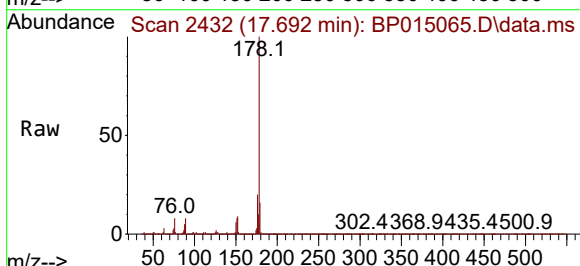
Tgt Ion:178 Resp:12900802

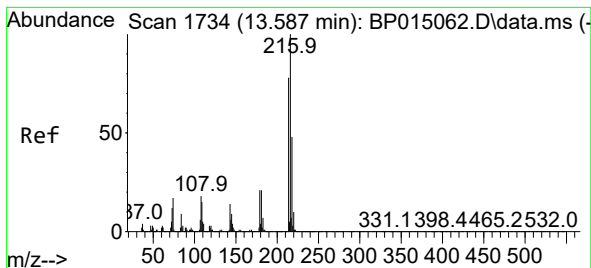
Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.2

176 20.5 15.2 22.8





#75

1,2,3,4-Tetrachlorobenzene

Concen: 142.789 ng/uL

RT: 13.598 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

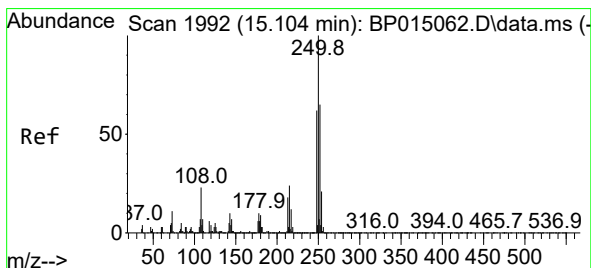
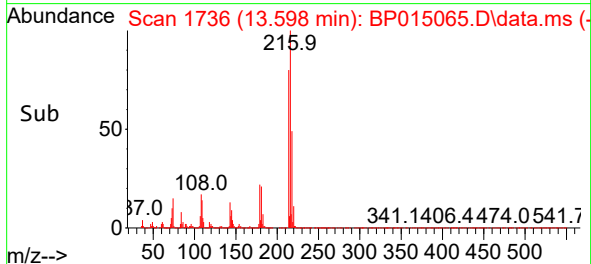
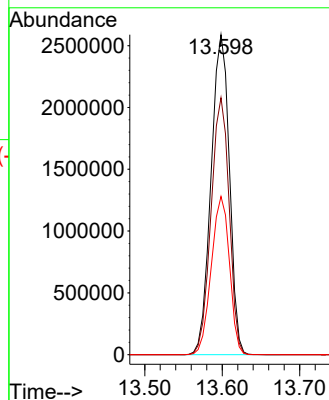
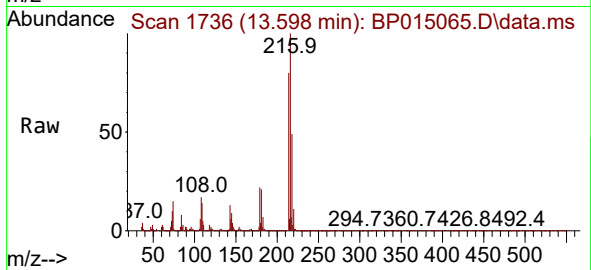
Tgt Ion:216 Resp: 4257732

Ion Ratio Lower Upper

216 100

214 80.3 62.2 93.4

218 49.4 38.2 57.2



#76

Pentachlorobenzene

Concen: 137.316 ng/uL

RT: 15.116 min Scan# 1994

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

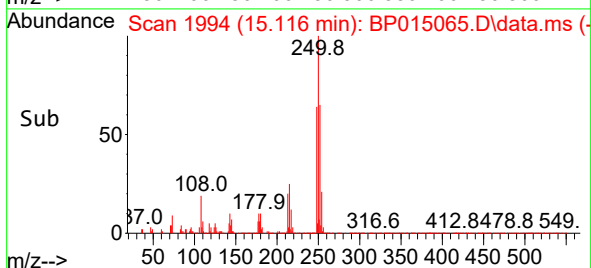
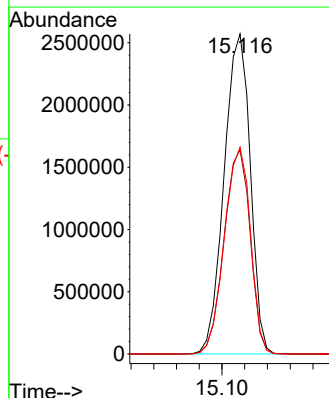
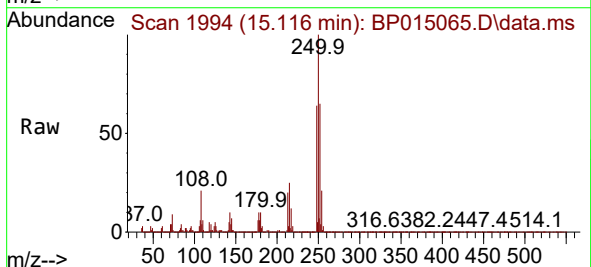
Tgt Ion:250 Resp: 4111236

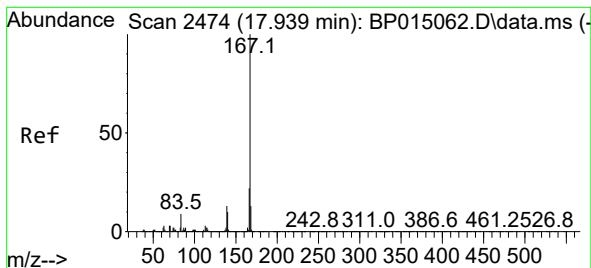
Ion Ratio Lower Upper

250 100

248 63.8 49.8 74.6

252 64.6 51.6 77.4





#77

Carbazole

Concen: 126.635 ng/ul

RT: 17.951 min Scan# 2474

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

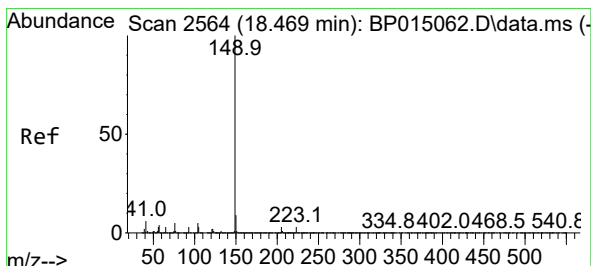
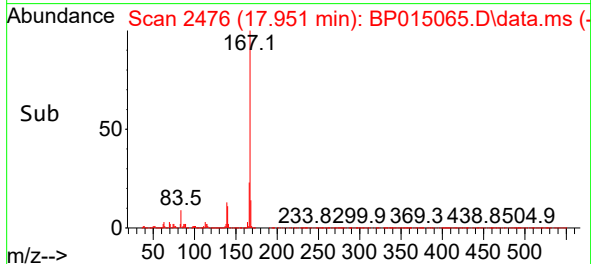
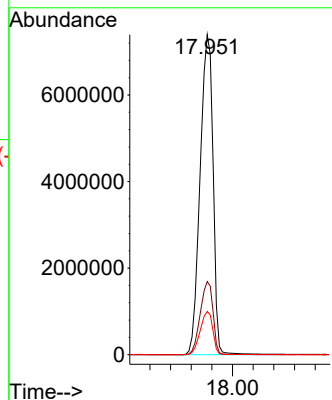
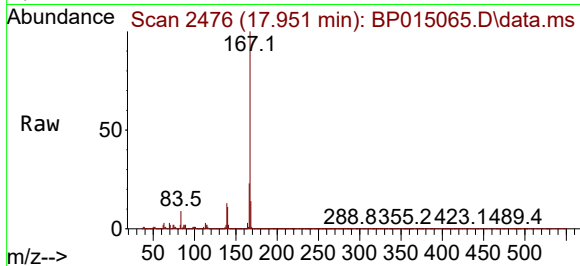
Tgt Ion:167 Resp:12859391

Ion Ratio Lower Upper

167 100

166 22.8 17.4 26.2

139 13.5 10.2 15.4



#78

Di-n-butylphthalate

Concen: 104.521 ng/ul

RT: 18.475 min Scan# 2565

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

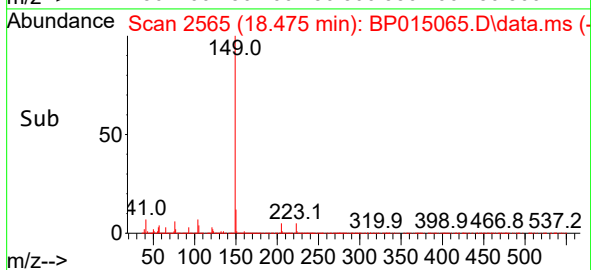
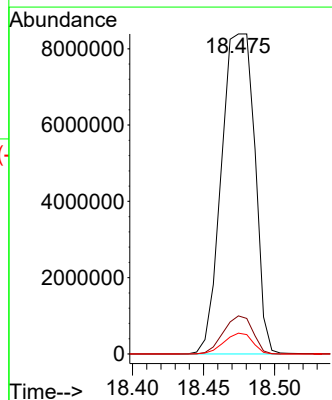
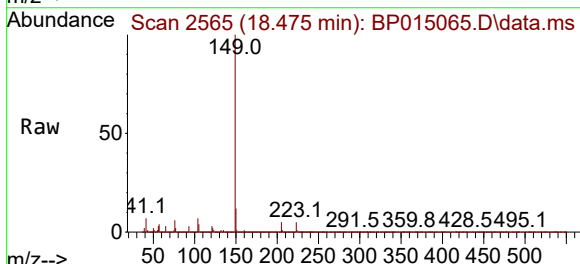
Tgt Ion:149 Resp:13668200

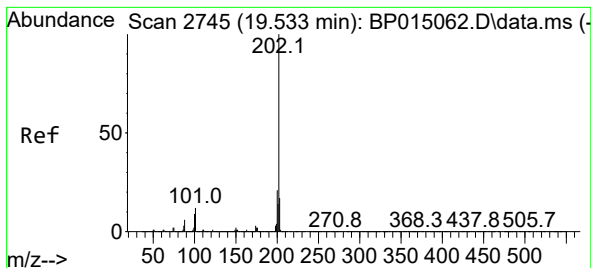
Ion Ratio Lower Upper

149 100

150 11.9 7.3 10.9#

104 6.5 3.9 5.9#





#80

Fluoranthene

Concen: 135.516 ng/ul

RT: 19.539 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

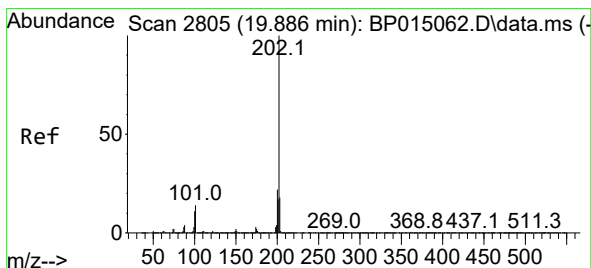
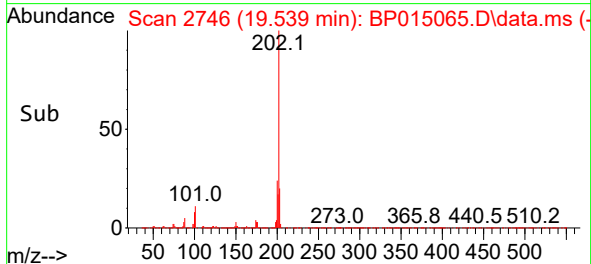
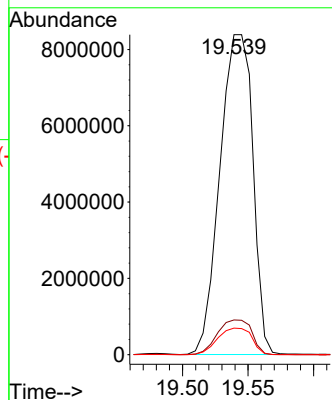
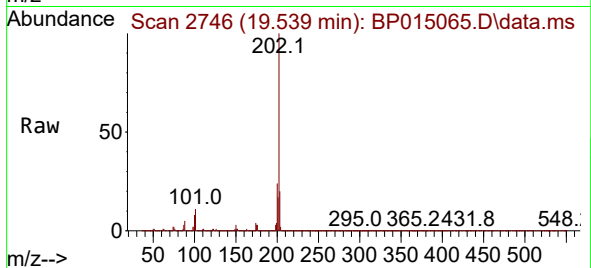
Tgt Ion:202 Resp:14643727

Ion Ratio Lower Upper

202 100

101 10.9 9.5 14.3

100 8.3 7.3 10.9



#82

Pyrene

Concen: 122.108 ng/ul

RT: 19.898 min Scan# 2807

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

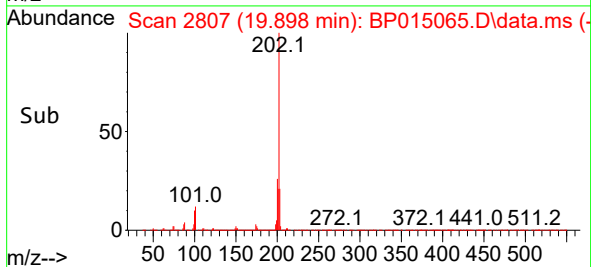
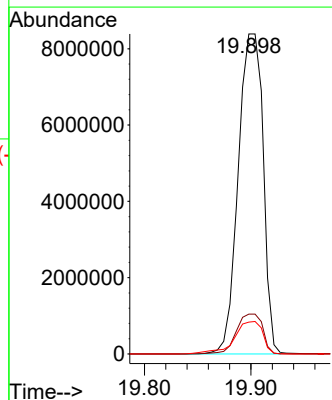
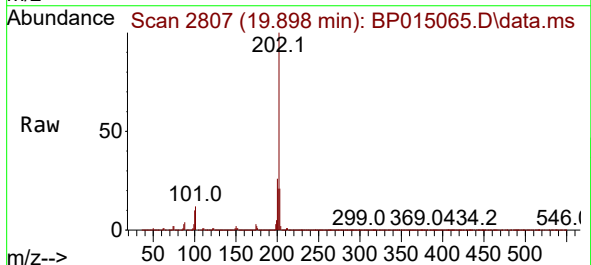
Tgt Ion:202 Resp:13626056

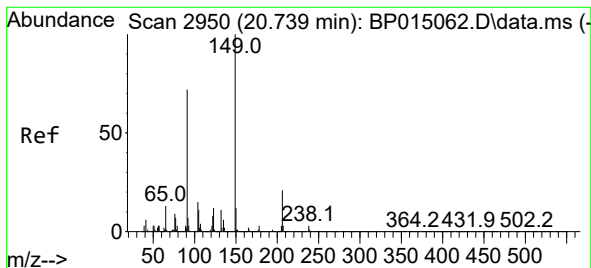
Ion Ratio Lower Upper

202 100

101 12.4 11.2 16.8

100 10.0 9.0 13.6





#83

Butylbenzylphthalate

Concen: 139.703 ng/ul

RT: 20.745 min Scan# 2950

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

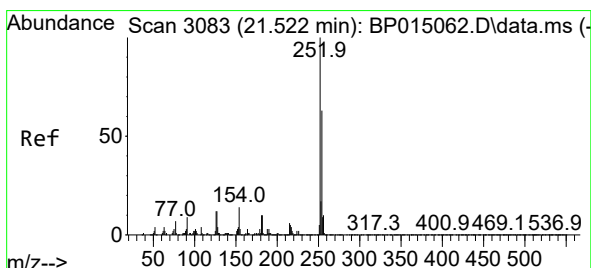
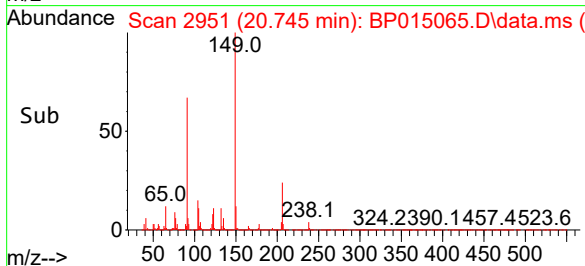
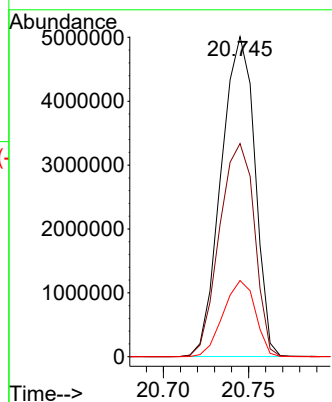
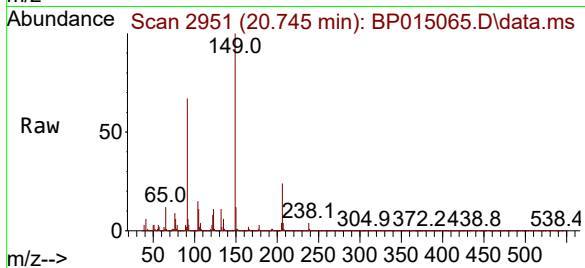
Tgt Ion:149 Resp: 6911182

Ion Ratio Lower Upper

149 100

91 66.6 57.4 86.2

206 23.8 16.6 25.0



#84

3,3'-Dichlorobenzidine

Concen: 129.414 ng/ul

RT: 21.533 min Scan# 3085

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

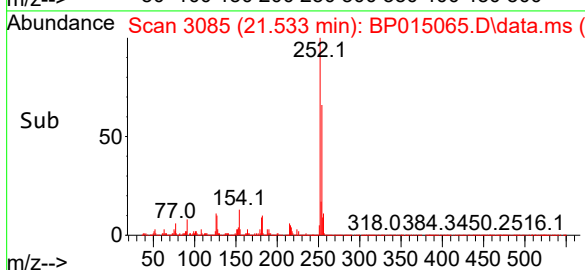
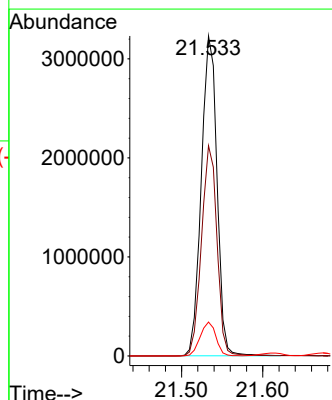
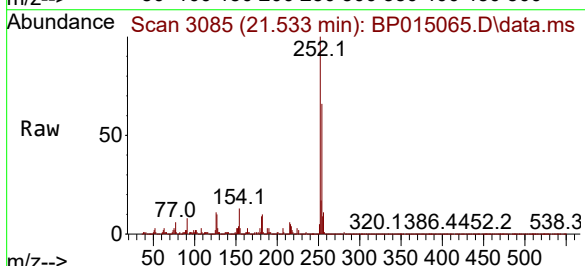
Tgt Ion:252 Resp: 4344747

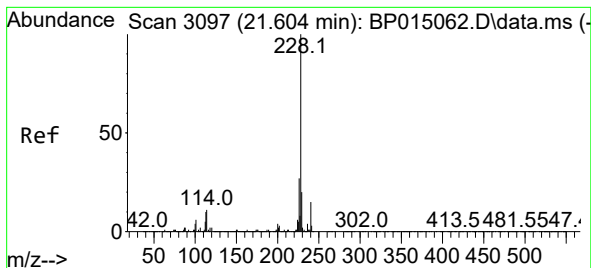
Ion Ratio Lower Upper

252 100

254 65.7 50.8 76.2

126 10.6 9.8 14.8





#85

Benzo(a)anthracene

Concen: 135.681 ng/ul

RT: 21.616 min Scan# 3099

Delta R.T. 0.012 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

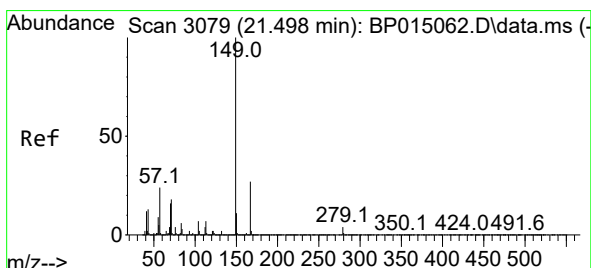
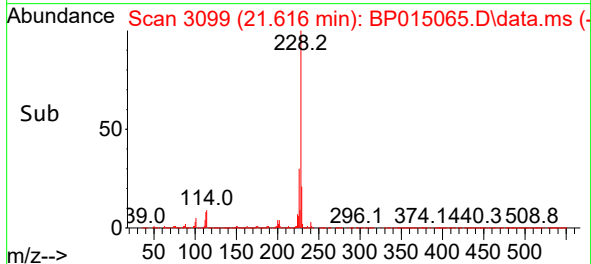
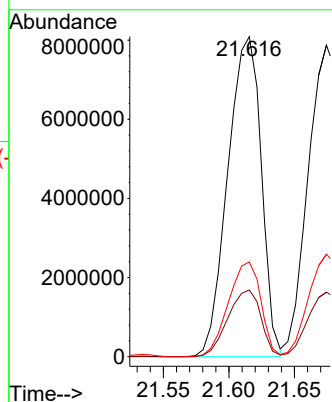
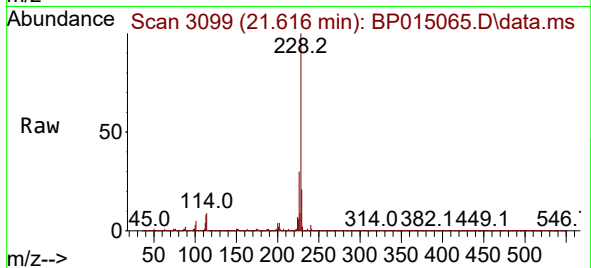
Tgt Ion:228 Resp:14341071

Ion Ratio Lower Upper

228 100

229 20.9 16.1 24.1

226 29.6 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 129.337 ng/ul

RT: 21.504 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

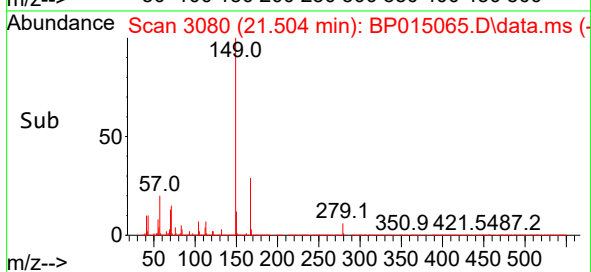
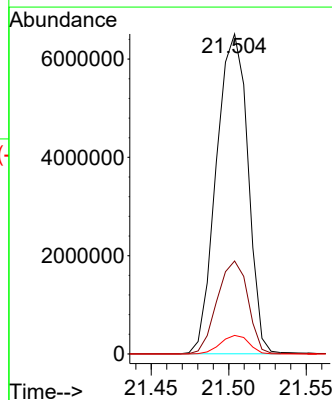
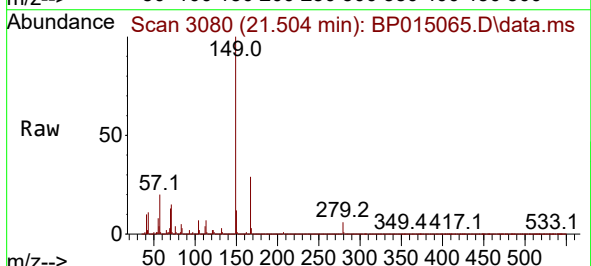
Tgt Ion:149 Resp: 9211561

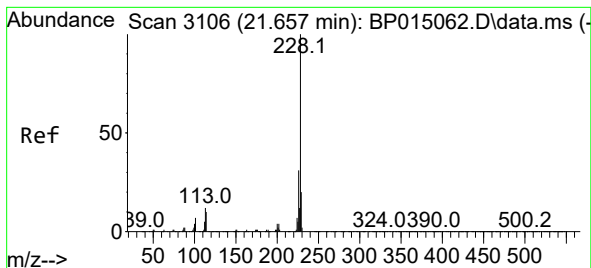
Ion Ratio Lower Upper

149 100

167 29.1 21.8 32.6

279 5.8 3.2 4.8#





#87

Chrysene

Concen: 129.617 ng/ul

RT: 21.674 min Scan# 3109

Delta R.T. 0.018 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

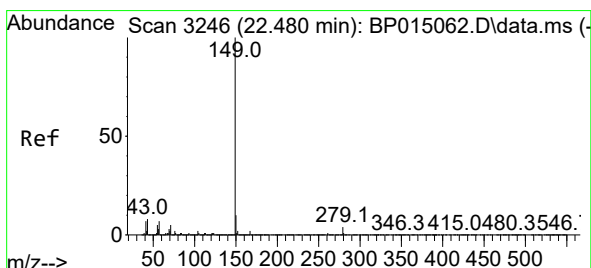
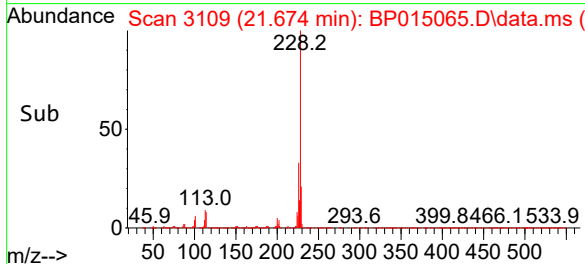
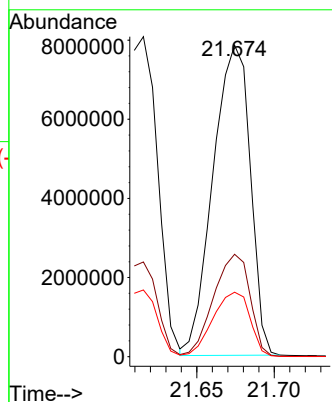
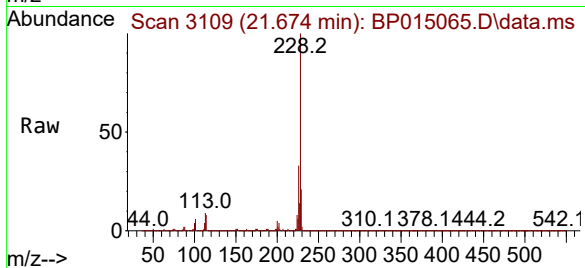
Tgt Ion:228 Resp:13096397

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

229 20.7 16.1 24.1



#89

Di-n-octyl phthalate

Concen: 145.315 ng/ul

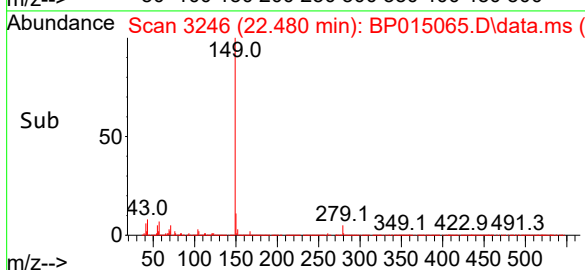
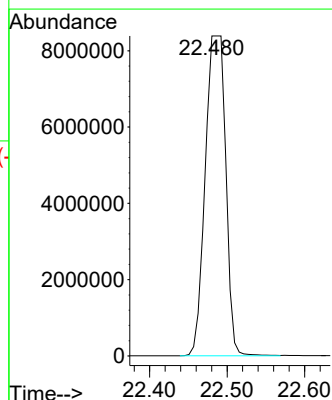
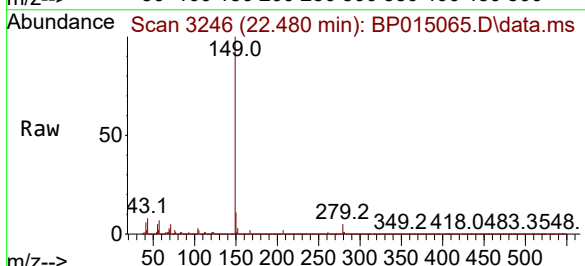
RT: 22.480 min Scan# 3246

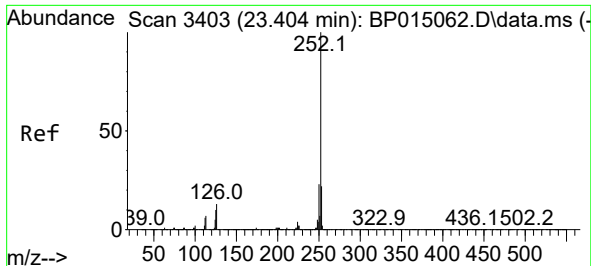
Delta R.T. -0.000 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Tgt Ion:149 Resp:15419085

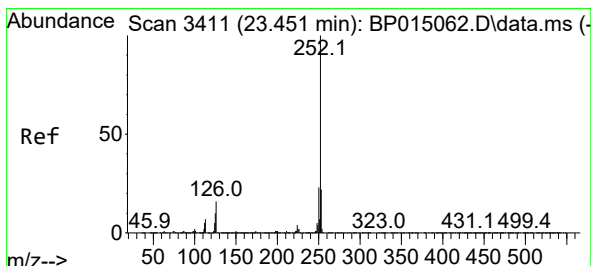
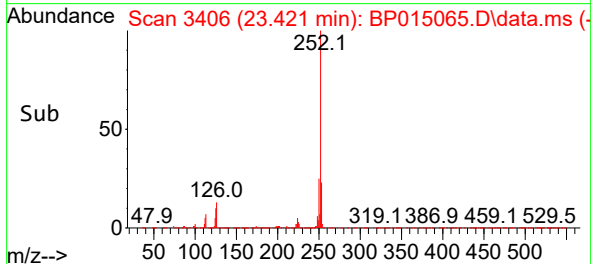
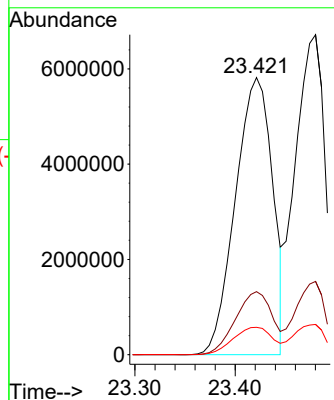
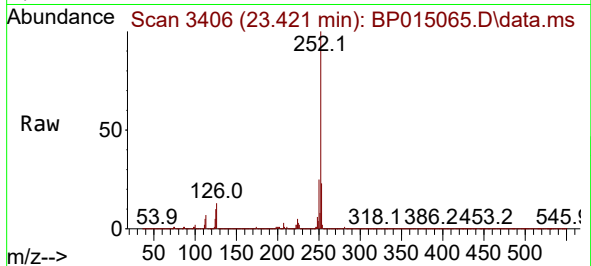




#90
Benzo(b)fluoranthene
Concen: 152.454 ng/ul
RT: 23.421 min Scan# 3406
Delta R.T. 0.018 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

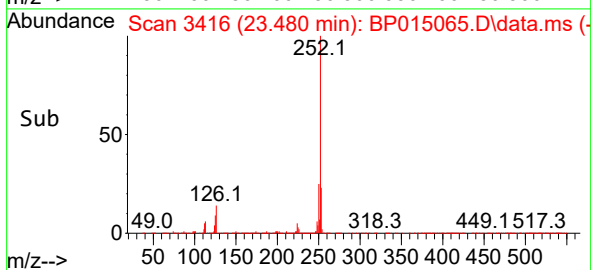
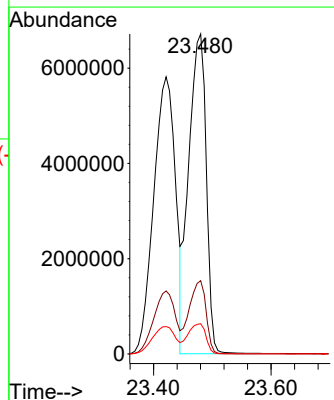
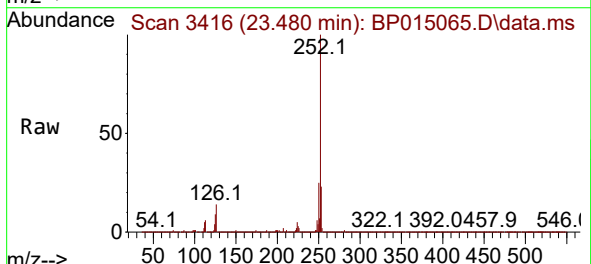
Instrument :
BNA_P
ClientSampleId :
SSTD160616

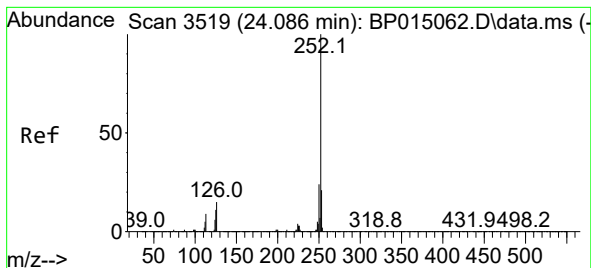
Tgt Ion:252 Resp:14973822
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.8 8.3 12.5



#91
Benzo(k)fluoranthene
Concen: 146.980 ng/ul
RT: 23.480 min Scan# 3416
Delta R.T. 0.029 min
Lab File: BP015065.D
Acq: 11 May 2023 14:28

Tgt Ion:252 Resp:13861840
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.4 8.5 12.7





#93

Benzo(a)pyrene

Concen: 145.801 ng/ul

RT: 24.110 min Scan# 3519

Delta R.T. 0.023 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

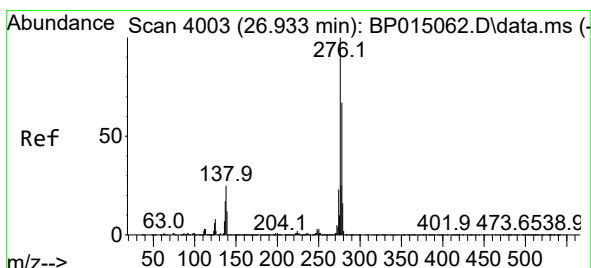
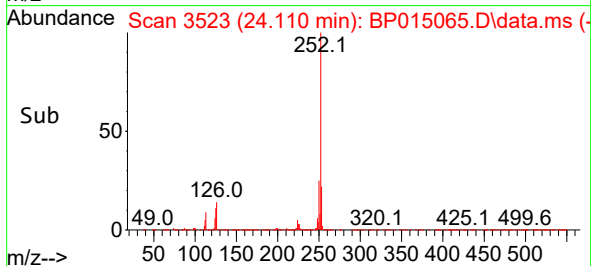
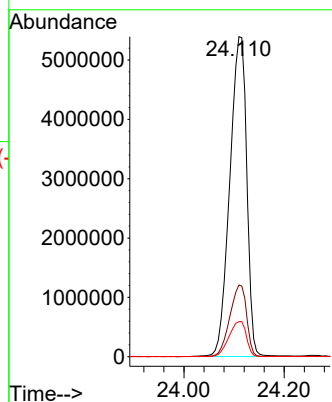
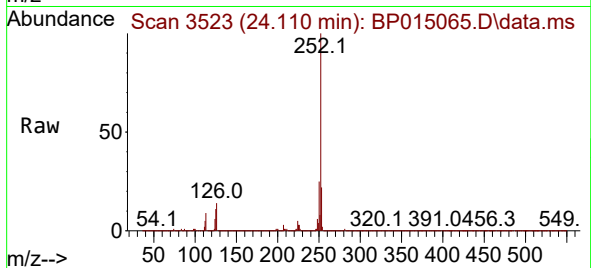
Tgt Ion:252 Resp:12657633

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 11.0 9.1 13.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 132.537 ng/ul

RT: 26.968 min Scan# 4009

Delta R.T. 0.035 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

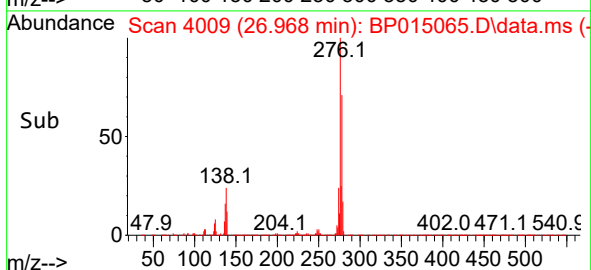
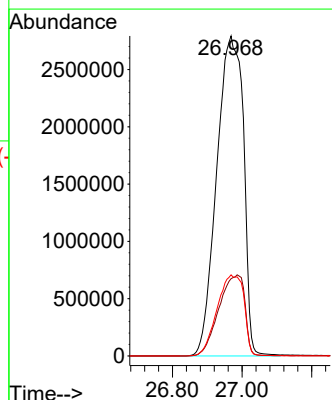
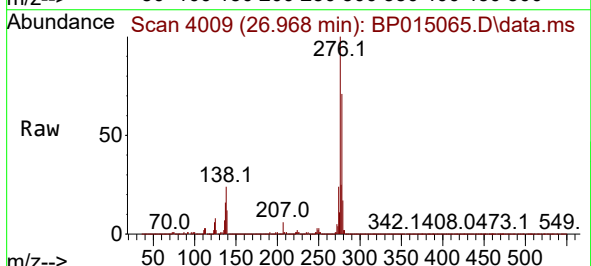
Tgt Ion:276 Resp:14898299

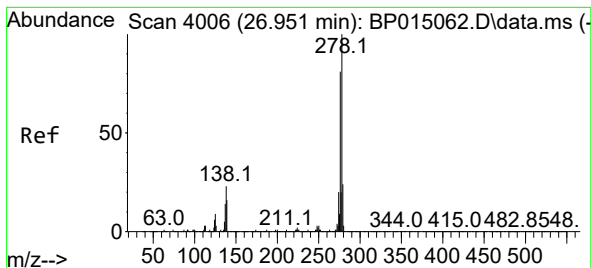
Ion Ratio Lower Upper

276 100

138 24.2 20.1 30.1

277 25.4 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 128.768 ng/ul

RT: 26.998 min Scan# 4006

Delta R.T. 0.047 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Instrument :

BNA_P

ClientSampleId :

SSTD160616

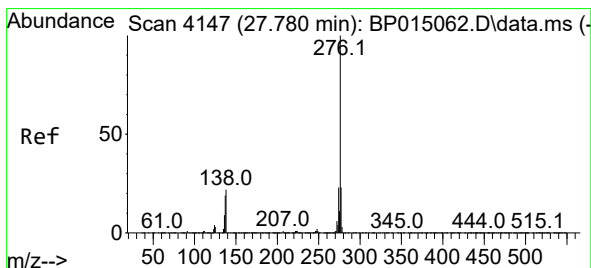
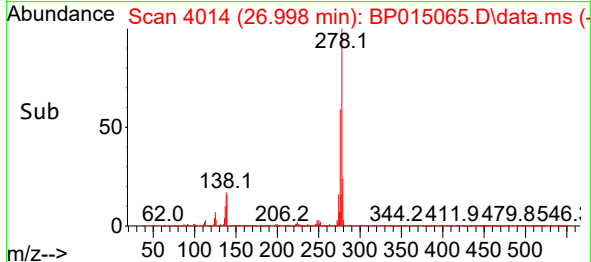
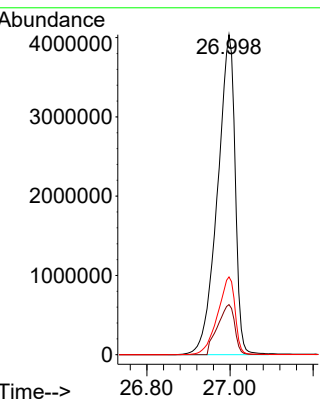
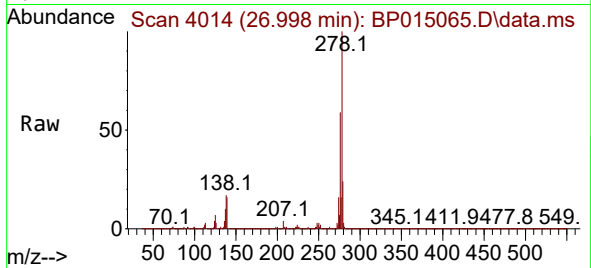
Tgt Ion:278 Resp:11882046

Ion Ratio Lower Upper

278 100

139 15.7 13.3 19.9

279 24.3 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 134.714 ng/ul

RT: 27.827 min Scan# 4155

Delta R.T. 0.047 min

Lab File: BP015065.D

Acq: 11 May 2023 14:28

Tgt Ion:276 Resp:12348295

Ion Ratio Lower Upper

276 100

138 21.9 17.7 26.5

277 23.6 18.8 28.2

