

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051923\
 Data File : BP015173.D
 Acq On : 19 May 2023 15:21
 Operator : CG/JU
 Sample : PB152814BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS814

Quant Time: May 19 22:11:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 01:07:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	271662	20.000	ng/u1	0.00
20) Naphthalene-d8	10.957	136	1320665	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.763	164	828529	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.516	188	1840378	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	1646904	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	1733611	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	48887	6.992	ng/uL	0.00
4) Pyridine-d5	3.869	84	644571	32.523	ng/u1	0.00
7) Phenol-d5	7.275	99	845879	33.536	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.446	67	508771	34.925	ng/u1	0.00
11) 2-Chlorophenol-d4	7.652	132	661045	35.644	ng/u1	0.00
15) 4-Methylphenol-d8	8.840	113	718588	35.753	ng/u1	0.00
21) Nitrobenzene-d5	9.305	128	371786	35.825	ng/u1	0.00
24) 2-Nitrophenol-d4	10.028	143	412477	35.721	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.569	165	754149	36.194	ng/u1	0.00
31) 4-Chloroaniline-d4	11.093	131	1000461	32.452	ng/u1	0.00
46) Dimethylphthalate-d6	14.169	166	2302130	36.770	ng/u1	0.00
49) Acenaphthylene-d8	14.463	160	2621364	36.608	ng/u1	0.00
54) 4-Nitrophenol-d4	14.957	143	465960	38.328	ng/u1	0.00
60) Fluorene-d10	15.757	176	1946712	36.849	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	387094	33.375	ng/u1	0.00
73) Anthracene-d10	17.616	188	3004340	35.650	ng/u1	0.00
81) Pyrene-d10	19.833	212	3518311	36.834	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	3274573	38.051	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.470	88	97601	12.991	ng/uL	99
5) Pyridine	3.887	79	615763	29.873	ng/u1	96
6) Benzaldehyde	7.258	77	406272	58.601	ng/u1	98
8) Phenol	7.305	94	843814	32.624	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.540	93	662981	32.039	ng/u1	97
12) 2-Chlorophenol	7.687	128	633549	32.297	ng/u1	99
13) 2-Methylphenol	8.569	108	655682	32.801	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.663	45	879373	33.919	ng/u1	99
16) Acetophenone	8.957	105	1045437	33.327	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.946	70	540202	32.836	ng/u1	98
18) 4-Methylphenol	8.905	108	731913	33.265	ng/u1	99
19) Hexachloroethane	9.222	117	285791	35.681	ng/u1	96
22) Nitrobenzene	9.346	77	871209	33.991	ng/u1	100
23) Isophorone	9.875	82	1734206	32.918	ng/u1	100
25) 2-Nitrophenol	10.063	139	422879	33.396	ng/u1	97
26) 2,4-Dimethylphenol	10.116	107	779117	30.834	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.357	93	1055326	32.923	ng/u1	98
29) 2,4-Dichlorophenol	10.599	162	717824	34.106	ng/u1	100
30) Naphthalene	11.010	128	2354729	32.796	ng/u1	99
32) 4-Chloroaniline	11.116	127	799999	25.248	ng/u1	99
33) Hexachlorobutadiene	11.287	225	414366	32.666	ng/u1	99
34) Caprolactam	11.898	113	151973	19.152	ng/u1	88
35) 4-Chloro-3-methylphenol	12.228	107	828716	34.871	ng/u1	99
36) 2-Methylnaphthalene	12.604	142	1593431	32.937	ng/u1	100

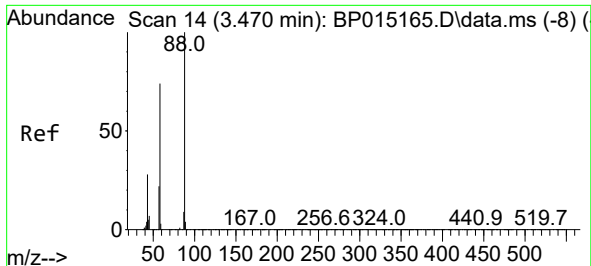
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.822	142	1646039	33.882	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.969	216	839857	33.893	ng/ul	99
40) Hexachlorocyclopentadiene	12.945	237	400066	24.919	ng/ul	96
41) 2,4,6-Trichlorophenol	13.204	196	573161	32.757	ng/ul	99
42) 2,4,5-Trichlorophenol	13.275	196	641189	33.797	ng/ul	98
43) 1,1'-Biphenyl	13.604	154	2183470	33.966	ng/ul	99
44) 2-Chloronaphthalene	13.645	162	1696297	33.789	ng/ul	100
45) 2-Nitroaniline	13.851	65	532813	37.094	ng/ul	94
47) Dimethylphthalate	14.216	163	2187273	33.546	ng/ul	100
48) 2,6-Dinitrotoluene	14.340	165	453496	35.106	ng/ul	98
50) Acenaphthylene	14.492	152	2667441	33.386	ng/ul	99
51) 3-Nitroaniline	14.669	138	476312	40.949	ng/ul	96
52) Acenaphthene	14.828	153	1834976	33.627	ng/ul	99
53) 2,4-Dinitrophenol	14.875	184	253751	29.586	ng/ul	94
55) 4-Nitrophenol	14.975	109	330883	37.004	ng/ul	98
56) Dibenzofuran	15.163	168	2560968	33.742	ng/ul	99
57) 2,4-Dinitrotoluene	15.128	165	661702	35.400	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.387	232	523137	32.673	ng/ul	98
59) Diethylphthalate	15.575	149	2210272	33.987	ng/ul	100
61) Fluorene	15.810	166	2061906	33.805	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.798	204	994907	33.383	ng/ul	97
63) 4-Nitroaniline	15.834	138	518258	51.595	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.892	198	370149	30.923	ng/ul#	96
67) N-Nitrosodiphenylamine	16.016	169	1815062	33.541	ng/ul	99
68) 4-Bromophenyl-phenylether	16.698	248	644498	34.000	ng/ul	98
69) Hexachlorobenzene	16.816	284	752591	33.596	ng/ul	98
70) Atrazine	16.963	200	363625	18.180	ng/ul	99
71) Pentachlorophenol	17.163	266	428596	30.587	ng/ul	99
72) Phenanthrene	17.563	178	3377484	33.702	ng/ul	100
74) Anthracene	17.651	178	3358358	33.140	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.569	216	851663	32.639	ng/uL	99
76) Pentachlorobenzene	15.081	250	852489	32.538	ng/uL	100
77) Carbazole	17.916	167	3159129	35.551	ng/ul	100
78) Di-n-butylphthalate	18.445	149	3955132	34.562	ng/ul	99
80) Fluoranthene	19.510	202	3968153	34.085	ng/ul	99
82) Pyrene	19.863	202	4052400	33.707	ng/ul	99
83) Butylbenzylphthalate	20.716	149	1854495	34.795	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.504	252	1313023	36.301	ng/ul	98
85) Benzo(a)anthracene	21.574	228	3928110	34.495	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.474	149	2701189	35.203	ng/ul	100
87) Chrysene	21.633	228	3724383	34.214	ng/ul	99
89) Di-n-octyl phthalate	22.451	149	4690979	39.509	ng/ul	100
90) Benzo(b)fluoranthene	23.363	252	4024025	36.615	ng/ul	100
91) Benzo(k)fluoranthene	23.416	252	3791648	35.930	ng/ul	99
93) Benzo(a)pyrene	24.039	252	3332842	34.309	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.874	276	3815539	30.335	ng/ul	98
95) Dibenzo(a,h)anthracene	26.886	278	3185003	30.847	ng/ul	99
96) Benzo(g,h,i)perylene	27.704	276	3013900	29.385	ng/ul	99

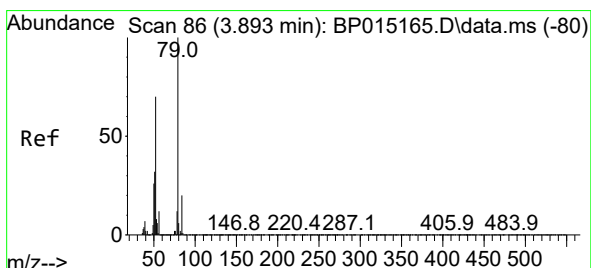
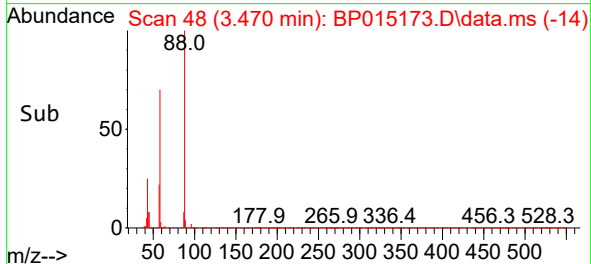
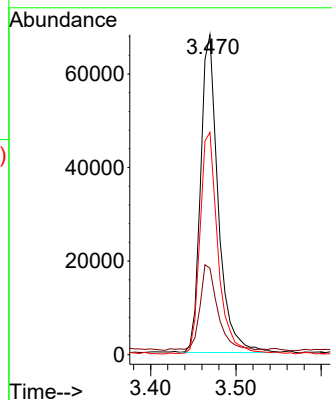
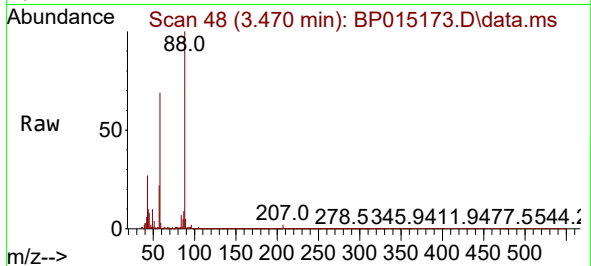
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#2
1,4-Dioxane
Concen: 12.991 ng/uL
RT: 3.470 min Scan# 41
Delta R.T. 0.000 min
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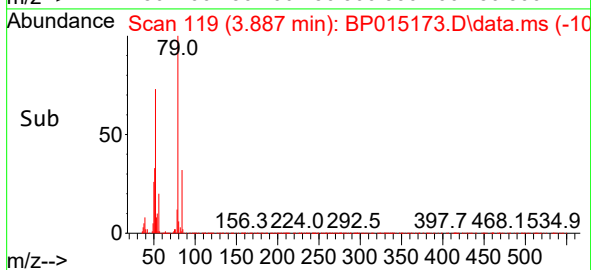
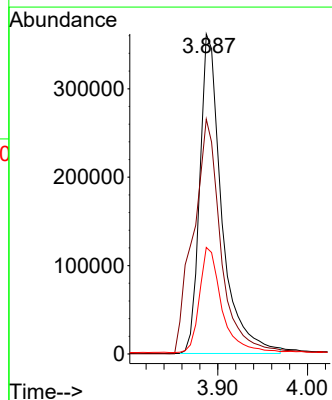
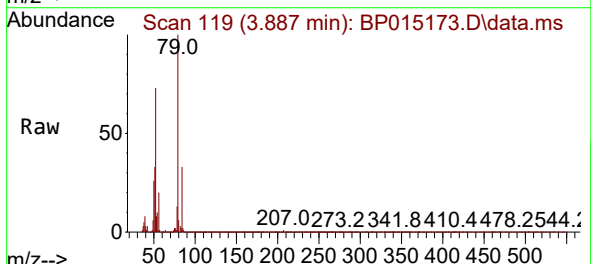
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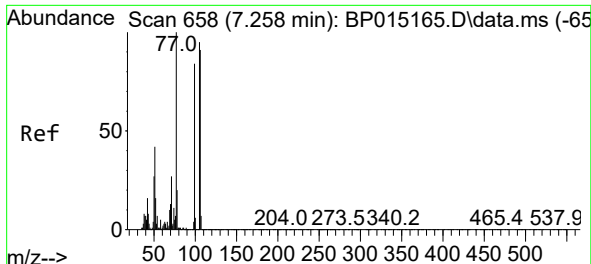
Tgt Ion: 88 Resp: 97601
Ion Ratio Lower Upper
88 100
43 27.0 20.4 30.6
58 69.4 55.4 83.2



#5
Pyridine
Concen: 29.873 ng/uL
RT: 3.887 min Scan# 119
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion: 79 Resp: 615763
Ion Ratio Lower Upper
79 100
52 73.4 55.4 83.2
51 33.3 25.4 38.2

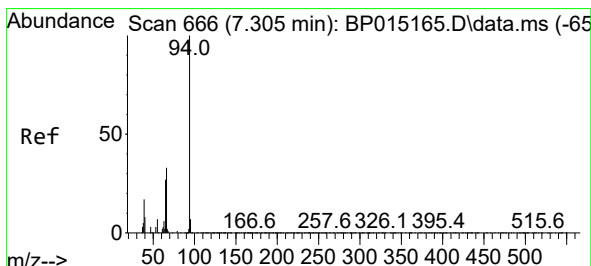
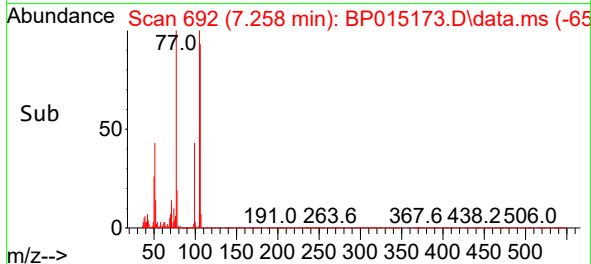
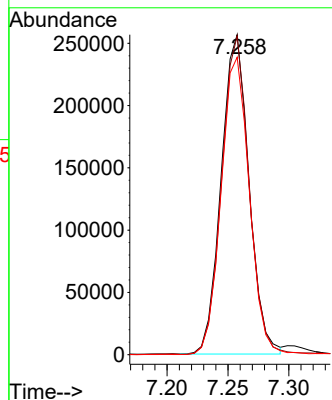
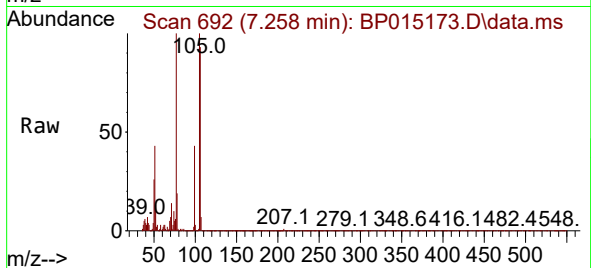




#6
Benzaldehyde
Concen: 58.601 ng/ul
RT: 7.258 min Scan# 658
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

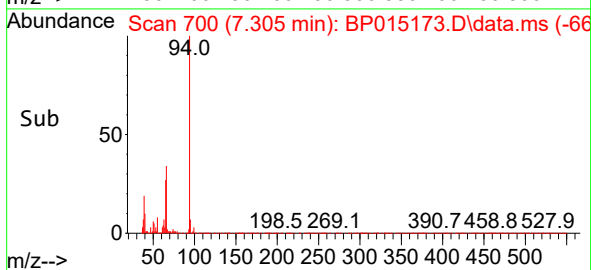
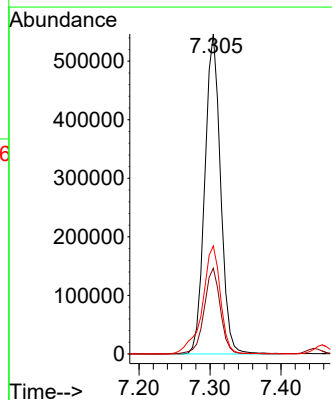
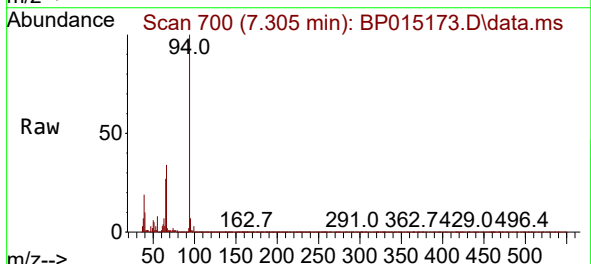
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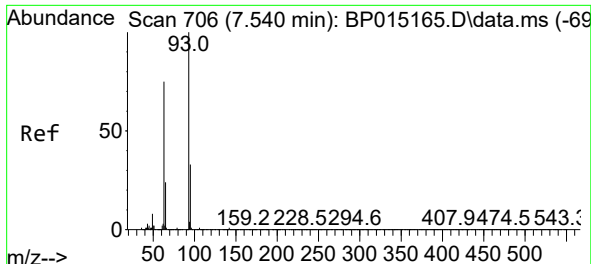
Tgt Ion: 77 Resp: 406272
Ion Ratio Lower Upper
77 100
105 99.6 76.9 115.3
106 93.0 75.0 112.6



#8
Phenol
Concen: 32.624 ng/ul
RT: 7.305 min Scan# 700
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion: 94 Resp: 843814
Ion Ratio Lower Upper
94 100
65 26.8 20.6 31.0
66 33.8 26.1 39.1

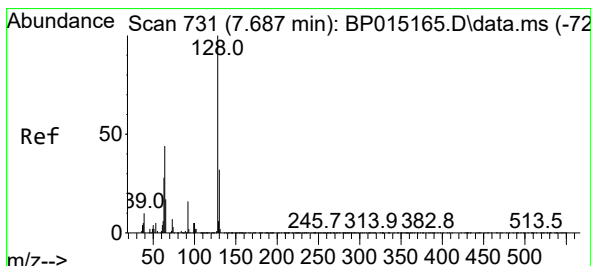
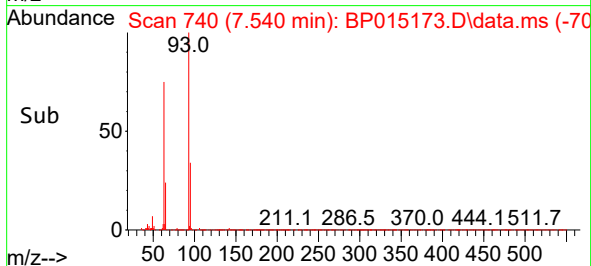
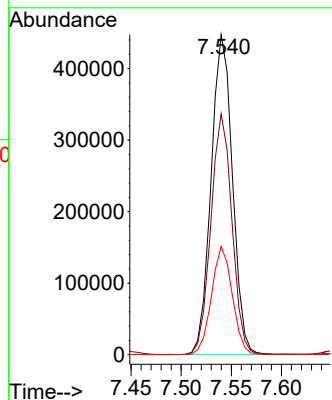
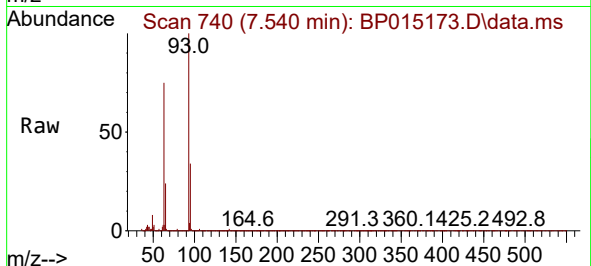




#10
Bis(2-Chloroethyl)ether
Concen: 32.039 ng/ul
RT: 7.540 min Scan# 740
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

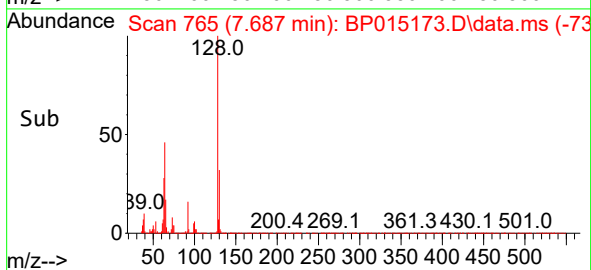
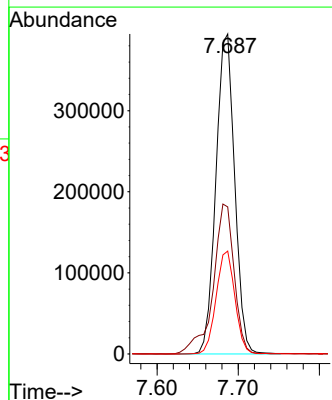
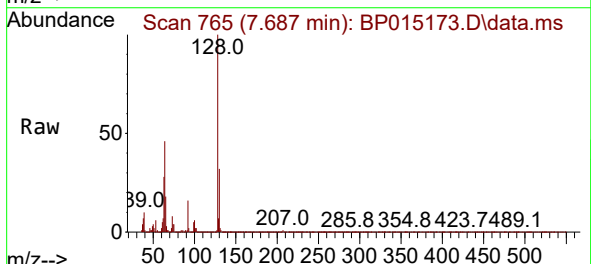
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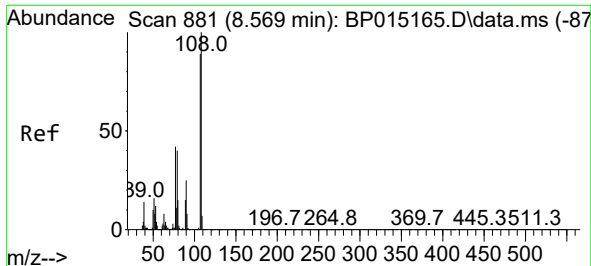
Tgt Ion: 93 Resp: 662981
Ion Ratio Lower Upper
93 100
63 75.2 58.0 87.0
95 33.8 26.4 39.6



#12
2-Chlorophenol
Concen: 32.297 ng/ul
RT: 7.687 min Scan# 765
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:128 Resp: 633549
Ion Ratio Lower Upper
128 100
64 46.0 36.2 54.2
130 32.2 26.3 39.5





#13

2-Methylphenol

Concen: 32.801 ng/ul

RT: 8.569 min Scan# 91

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

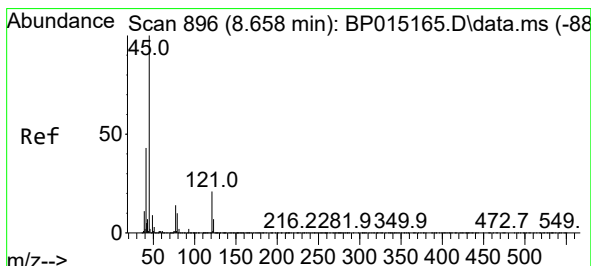
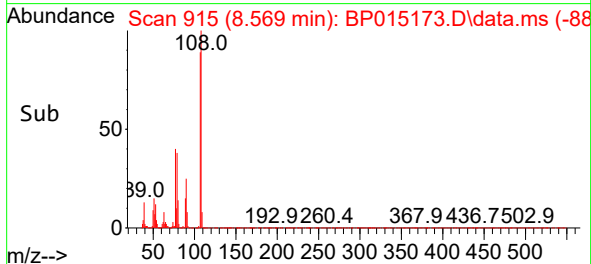
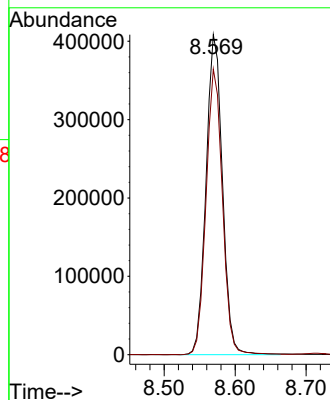
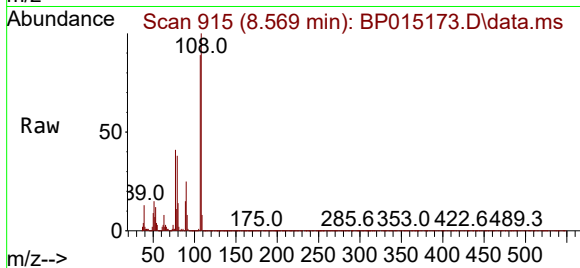
SLCS814

Tgt Ion:108 Resp: 655682

Ion Ratio Lower Upper

108 100

107 89.3 71.8 107.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 33.919 ng/ul

RT: 8.663 min Scan# 931

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

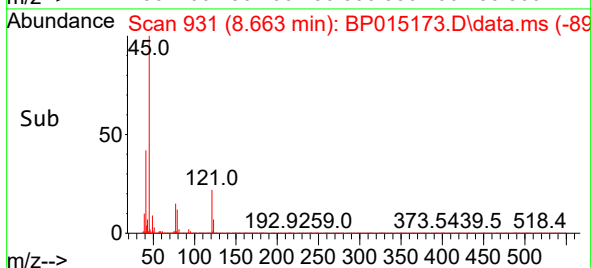
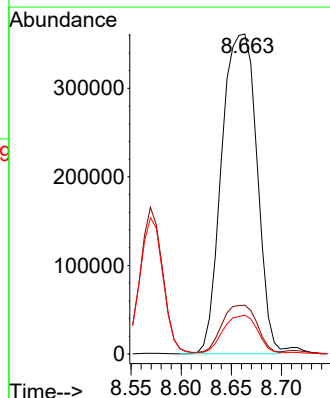
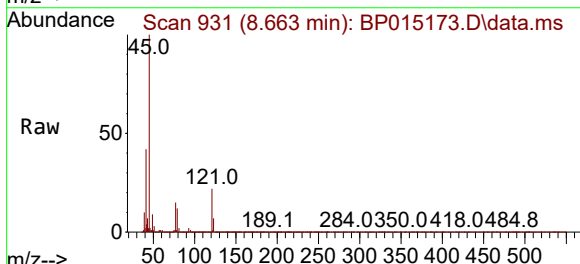
Tgt Ion: 45 Resp: 879373

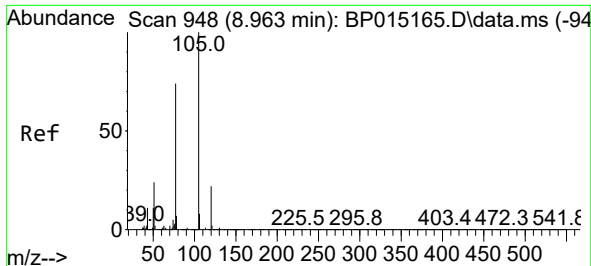
Ion Ratio Lower Upper

45 100

77 15.2 12.8 19.2

79 12.1 9.5 14.3

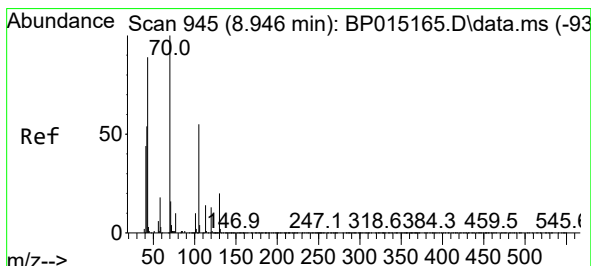
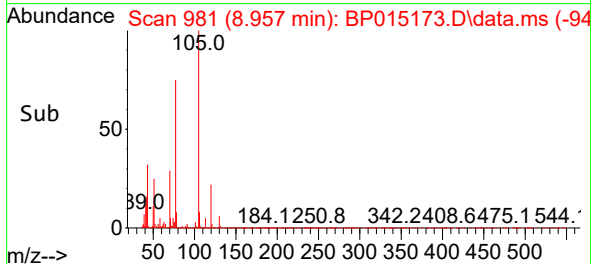
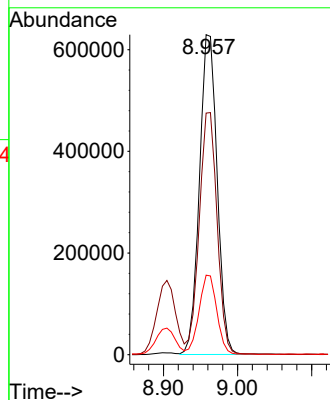
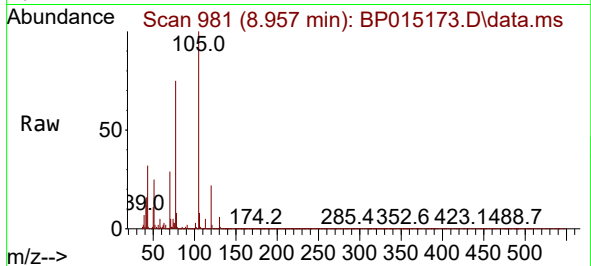




#16
Acetophenone
Concen: 33.327 ng/ul
RT: 8.957 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

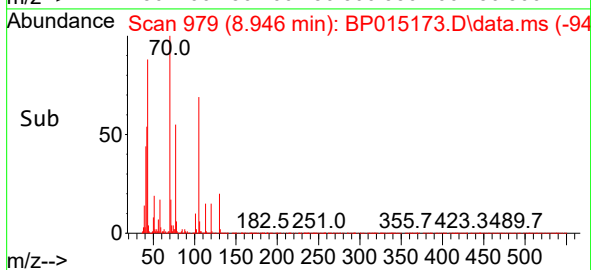
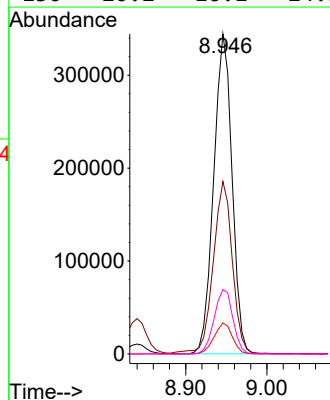
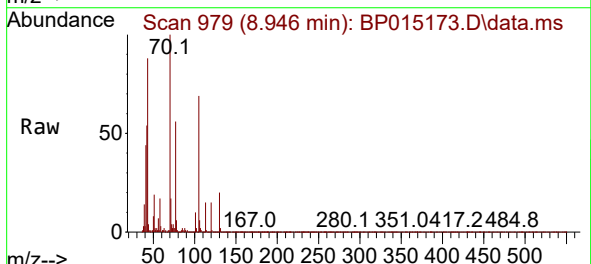
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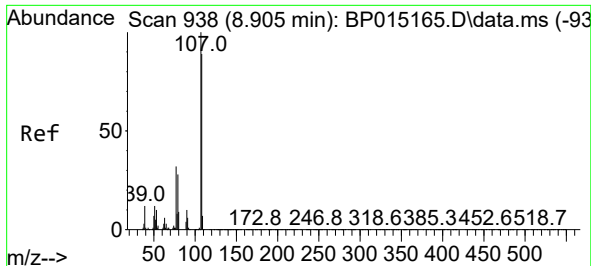
Tgt Ion:105 Resp: 1045437
Ion Ratio Lower Upper
105 100
77 75.5 59.4 89.2
51 24.8 19.2 28.8



#17
N-Nitroso-di-n-propylamine
Concen: 32.836 ng/ul
RT: 8.946 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion: 70 Resp: 540202
Ion Ratio Lower Upper
70 100
42 53.9 41.0 61.6
101 9.7 7.9 11.9
130 20.2 16.1 24.1





#18

4-Methylphenol

Concen: 33.265 ng/ul

RT: 8.905 min Scan# 91

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

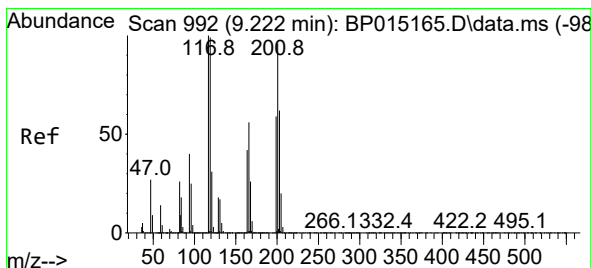
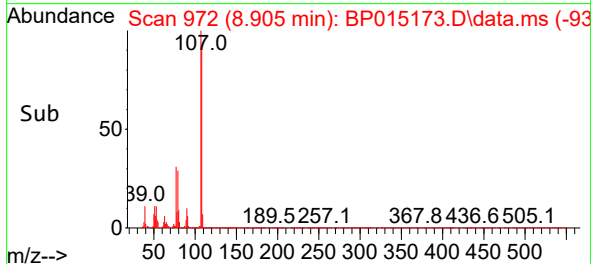
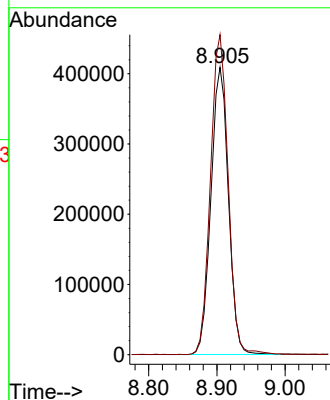
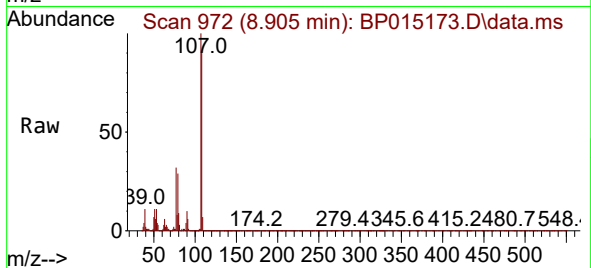
SLCS814

Tgt Ion:108 Resp: 731913

Ion Ratio Lower Upper

108 100

107 111.4 88.5 132.7



#19

Hexachloroethane

Concen: 35.681 ng/ul

RT: 9.222 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

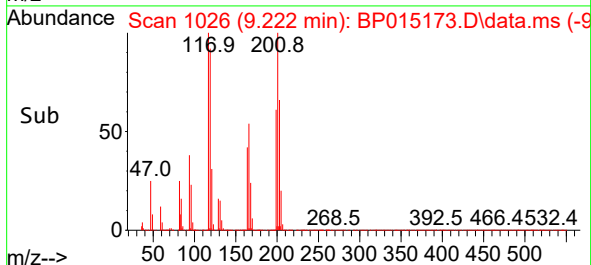
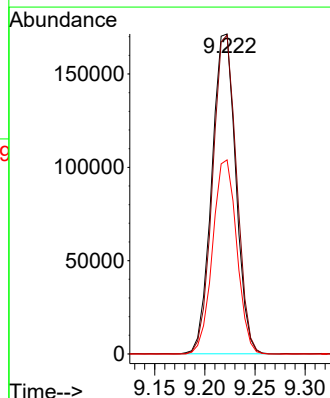
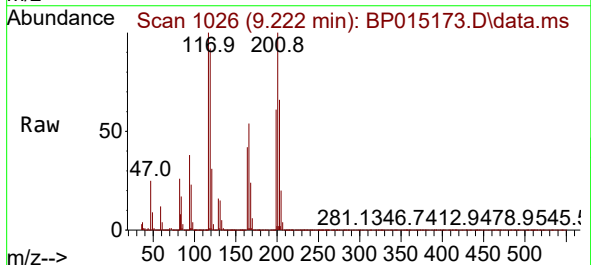
Tgt Ion:117 Resp: 285791

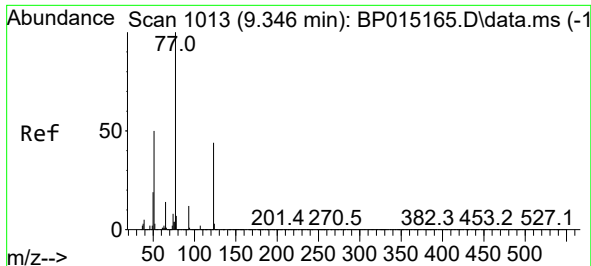
Ion Ratio Lower Upper

117 100

201 99.7 75.8 113.8

199 60.6 46.5 69.7

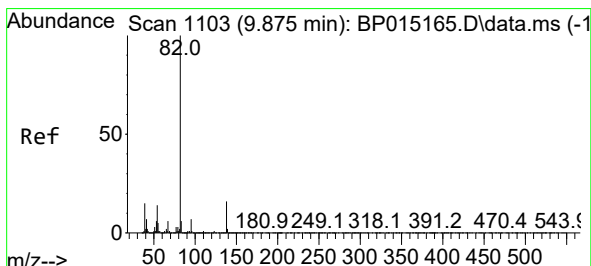
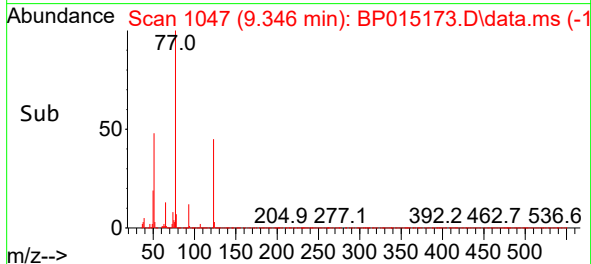
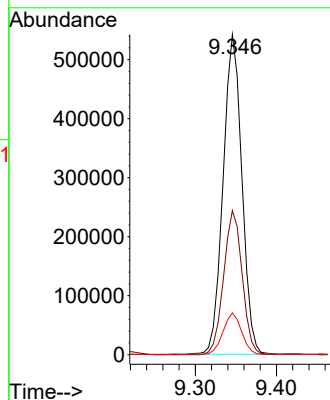
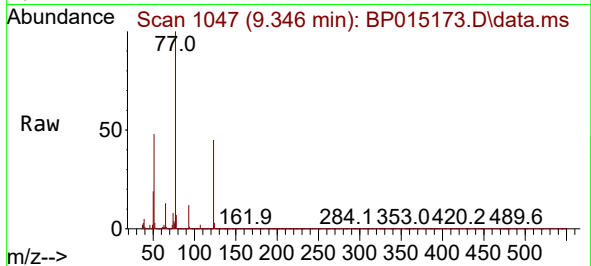




#22
Nitrobenzene
Concen: 33.991 ng/ul
RT: 9.346 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

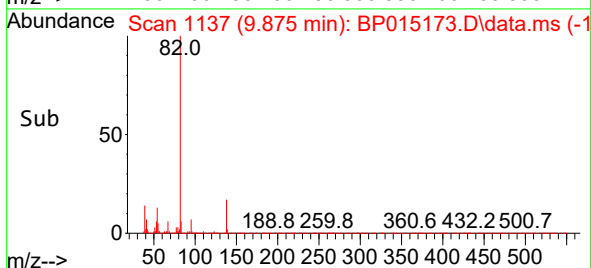
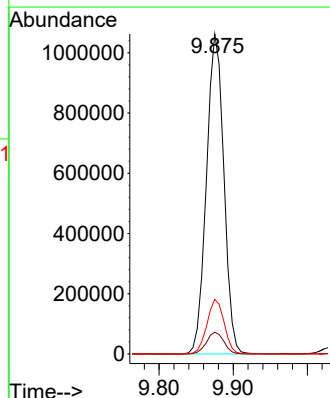
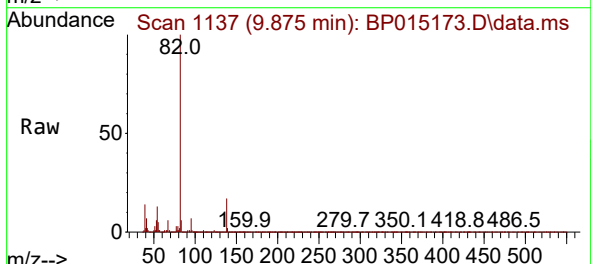
Instrument :
BNA_P
ClientSampleId :
SLCS814

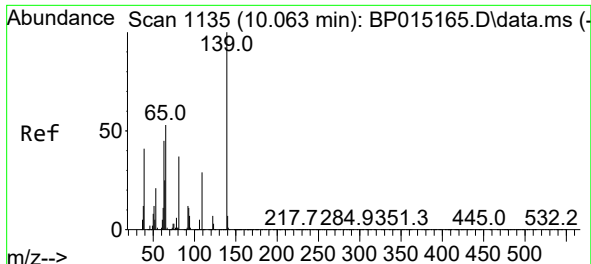
Tgt Ion: 77 Resp: 871209
Ion Ratio Lower Upper
77 100
123 45.0 36.2 54.2
65 13.0 10.1 15.1



#23
Isophorone
Concen: 32.918 ng/ul
RT: 9.875 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion: 82 Resp: 1734206
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 17.0 13.6 20.4

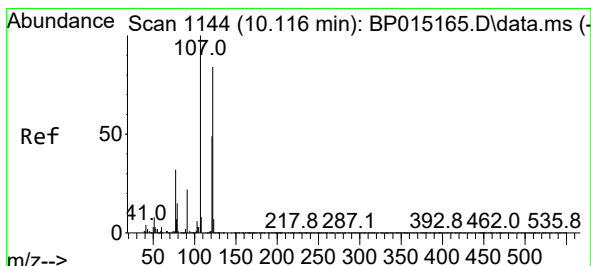
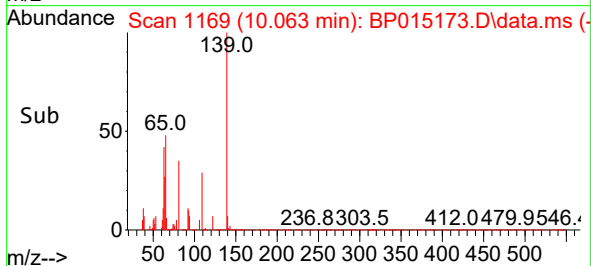
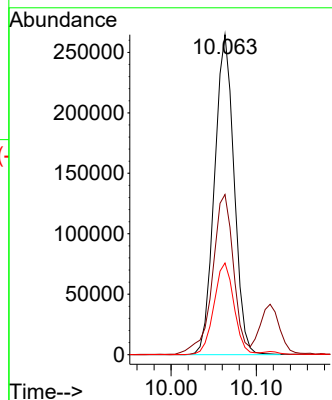
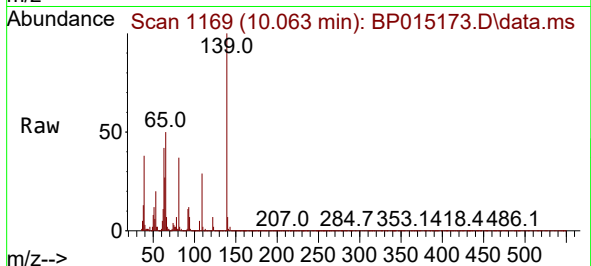




#25
2-Nitrophenol
Concen: 33.396 ng/ul
RT: 10.063 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

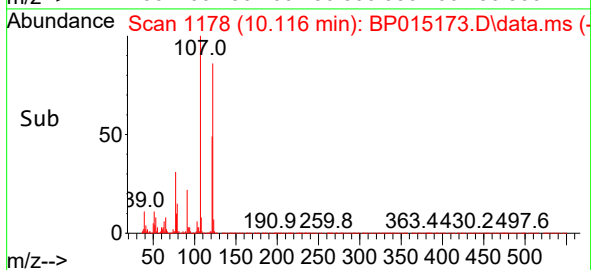
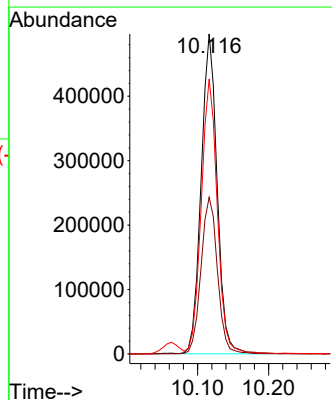
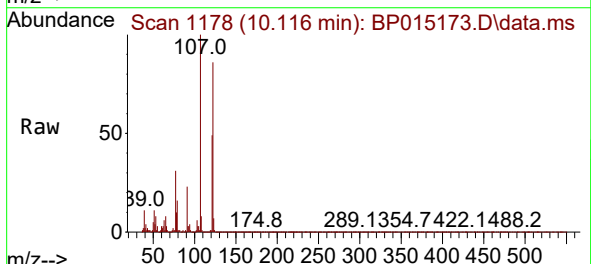
Instrument :
BNA_P
ClientSampleId :
SLCS814

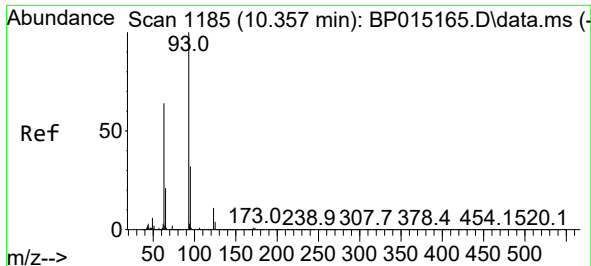
Tgt Ion:139 Resp: 422879
Ion Ratio Lower Upper
139 100
65 50.1 38.4 57.6
109 28.6 22.2 33.2



#26
2,4-Dimethylphenol
Concen: 30.834 ng/ul
RT: 10.116 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:107 Resp: 779117
Ion Ratio Lower Upper
107 100
121 49.0 41.0 61.6
122 85.9 69.5 104.3





#27

Bis(2-Chloroethoxy)methane

Concen: 32.923 ng/ul

RT: 10.357 min Scan# 1185

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

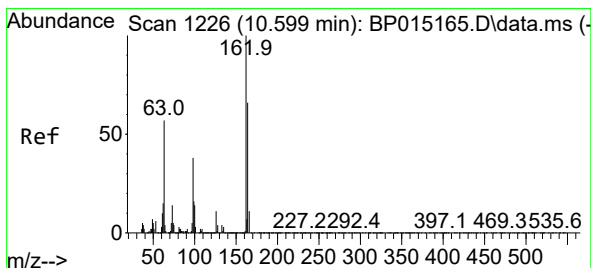
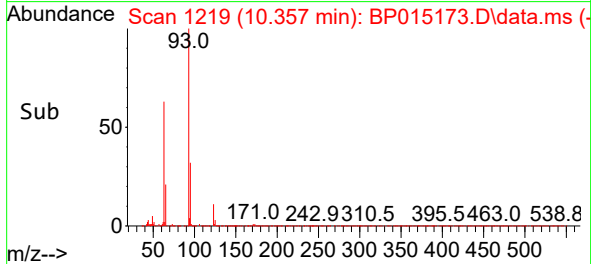
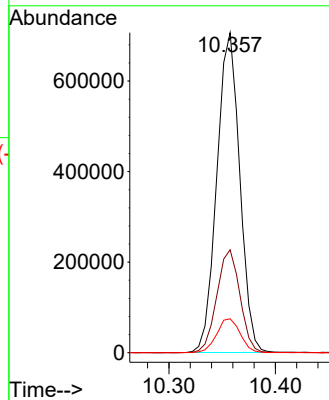
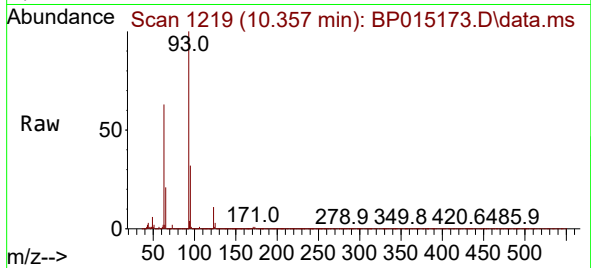
Tgt Ion: 93 Resp: 1055326

Ion Ratio Lower Upper

93 100

95 32.2 26.7 40.1

123 10.6 9.1 13.7



#29

2,4-Dichlorophenol

Concen: 34.106 ng/ul

RT: 10.599 min Scan# 1260

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

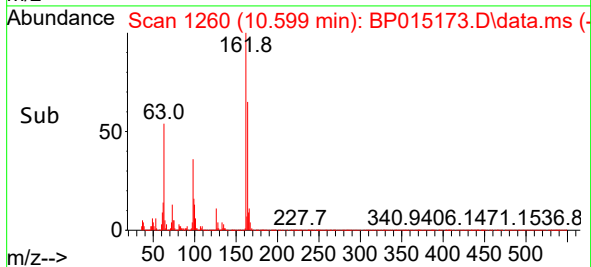
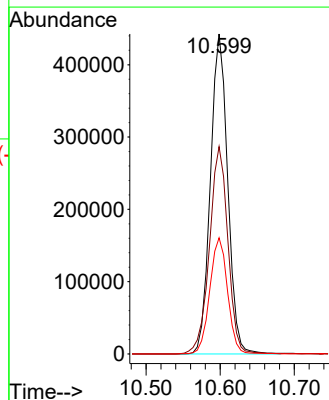
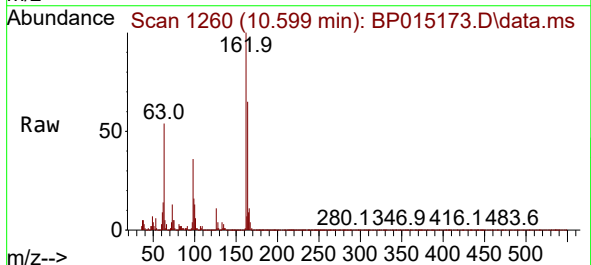
Tgt Ion:162 Resp: 717824

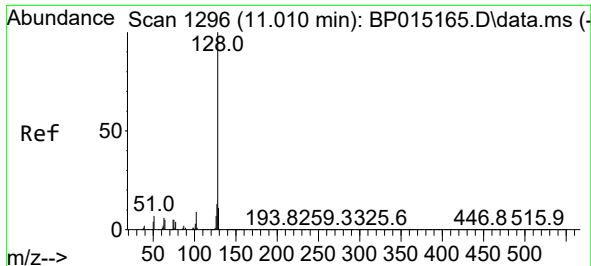
Ion Ratio Lower Upper

162 100

164 64.8 52.0 78.0

98 36.3 28.9 43.3

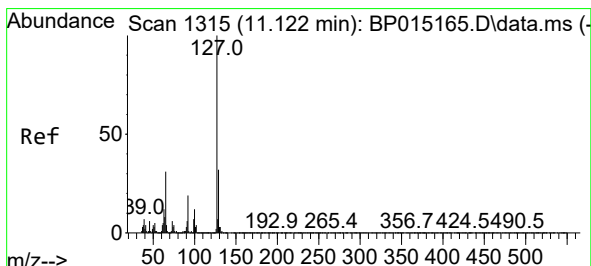
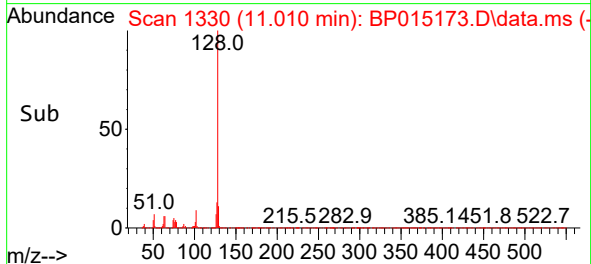
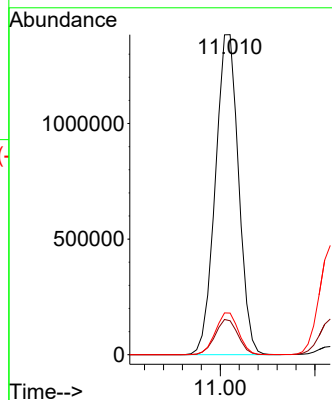
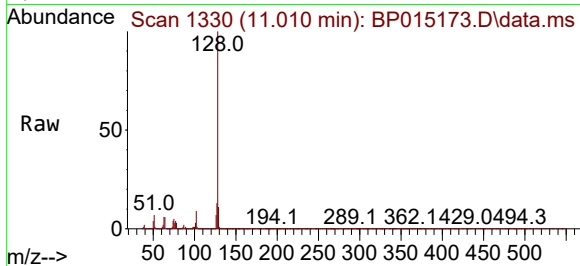




#30
Naphthalene
Concen: 32.796 ng/ul
RT: 11.010 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

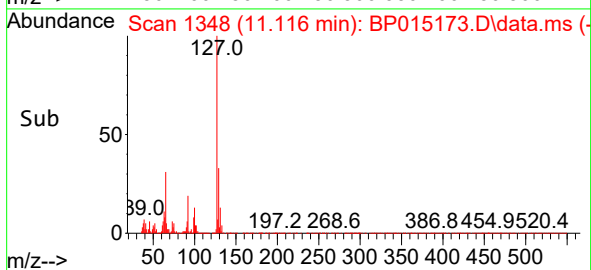
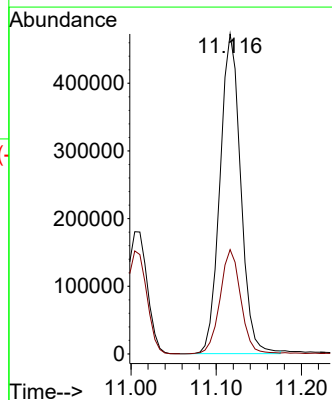
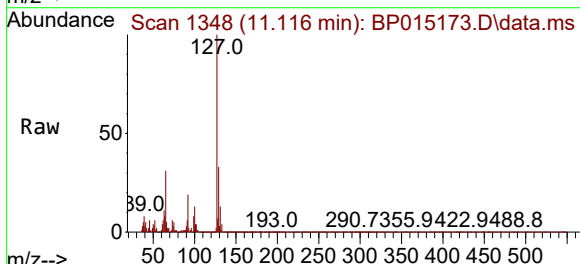
Instrument :
BNA_P
ClientSampleId :
SLCS814

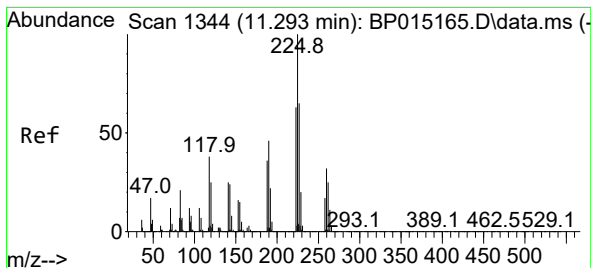
Tgt Ion:128 Resp: 2354729
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.0 10.6 15.8



#32
4-Chloroaniline
Concen: 25.248 ng/ul
RT: 11.116 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:127 Resp: 799999
Ion Ratio Lower Upper
127 100
129 32.6 25.8 38.8





#33

Hexachlorobutadiene

Concen: 32.666 ng/ul

RT: 11.287 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

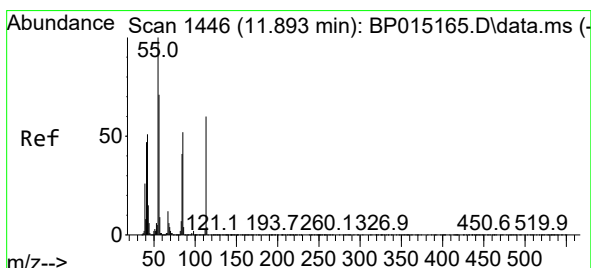
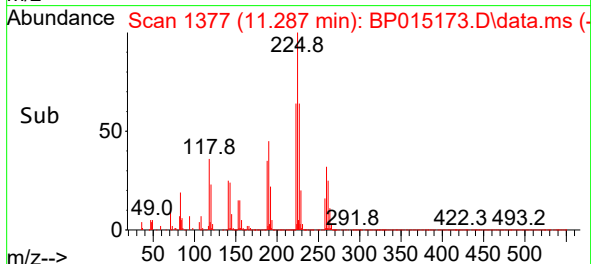
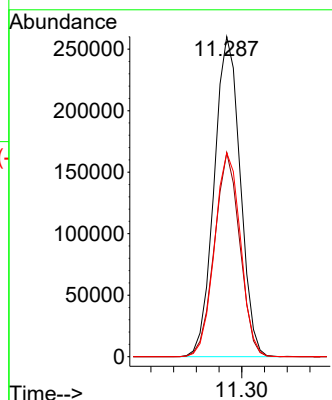
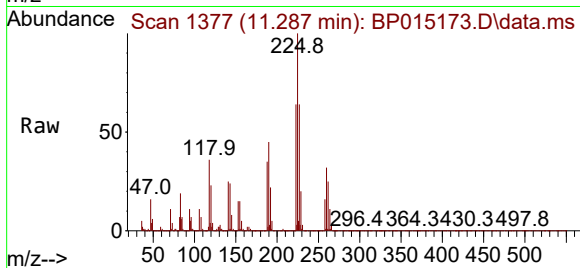
Tgt Ion:225 Resp: 414366

Ion Ratio Lower Upper

225 100

223 63.8 51.0 76.6

227 63.7 52.2 78.4



#34

Caprolactam

Concen: 19.152 ng/ul

RT: 11.898 min Scan# 1481

Delta R.T. 0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

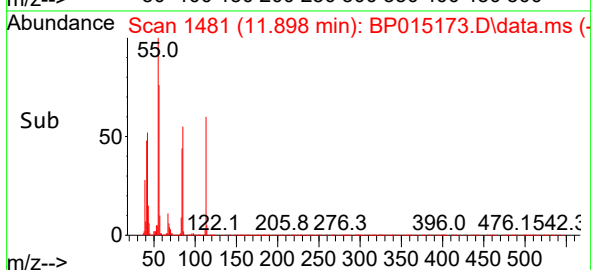
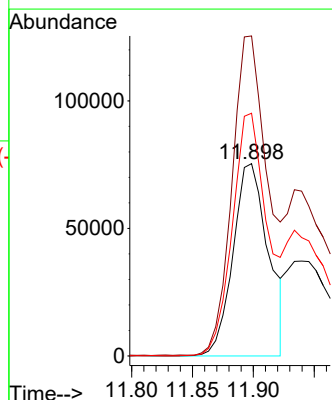
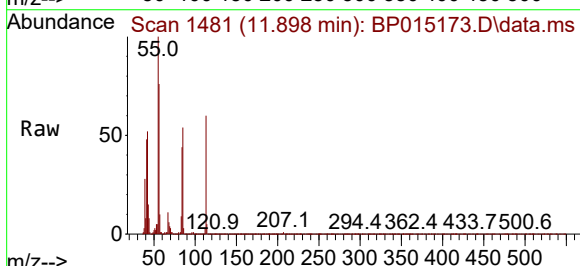
Tgt Ion:113 Resp: 151973

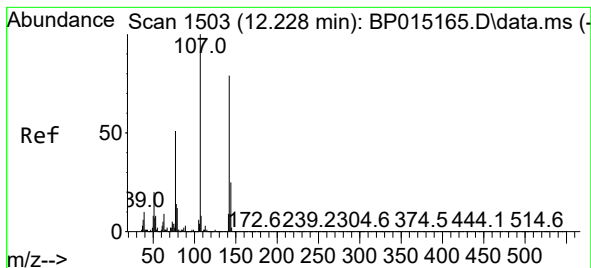
Ion Ratio Lower Upper

113 100

55 166.4 121.2 181.8

56 126.2 90.2 135.4

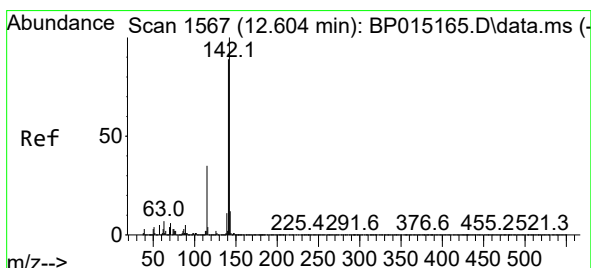
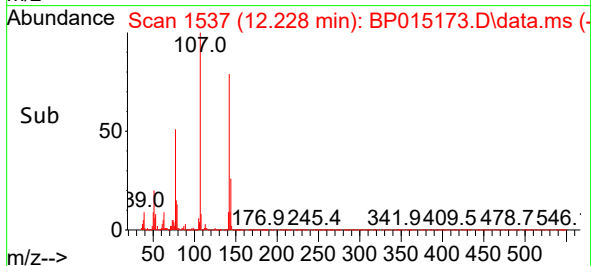
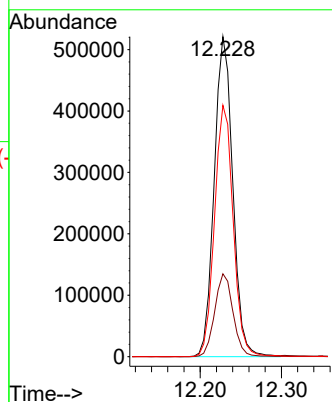
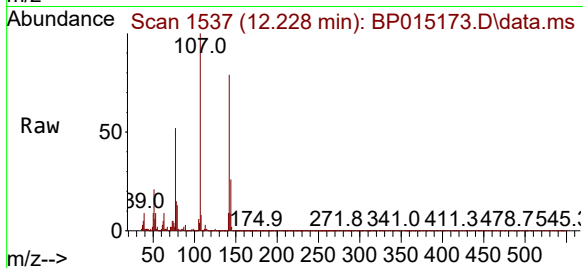




#35
4-Chloro-3-methylphenol
Concen: 34.871 ng/ul
RT: 12.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

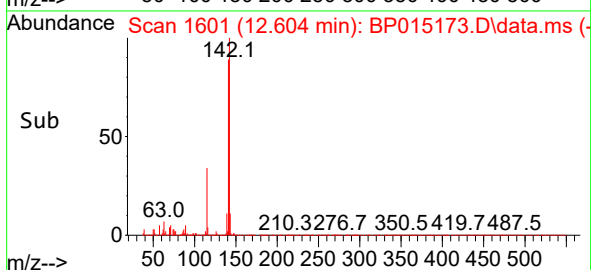
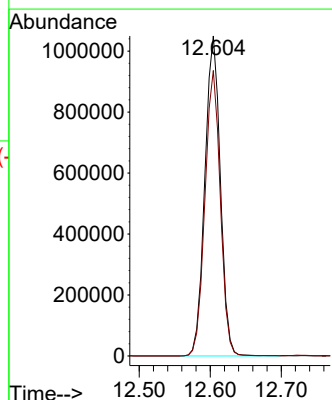
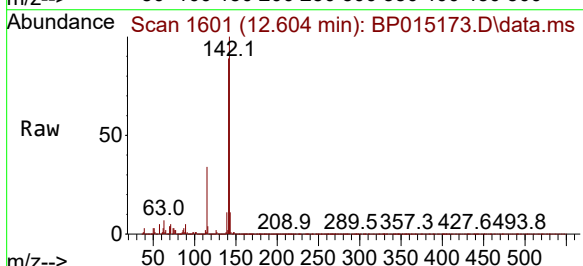
Instrument :
BNA_P
ClientSampleId :
SLCS814

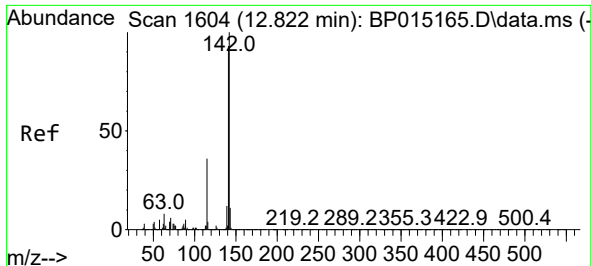
Tgt Ion:107 Resp: 828716
Ion Ratio Lower Upper
107 100
144 25.9 20.3 30.5
142 78.6 63.2 94.8



#36
2-Methylnaphthalene
Concen: 32.937 ng/ul
RT: 12.604 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:142 Resp: 1593431
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.6





#37

1-Methylnaphthalene

Concen: 33.882 ng/ul

RT: 12.822 min Scan# 1604

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

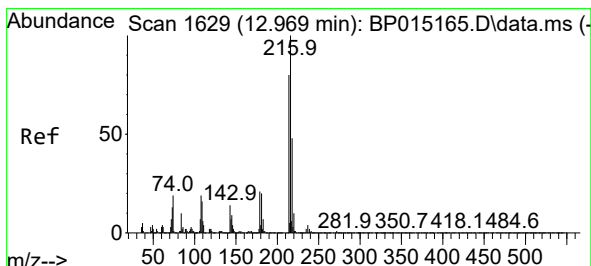
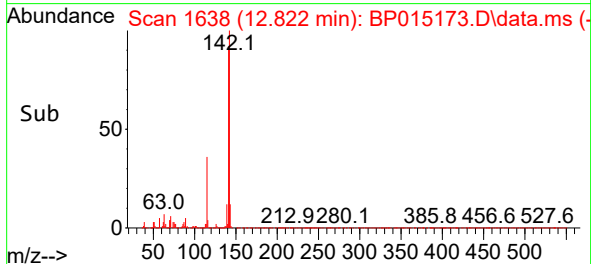
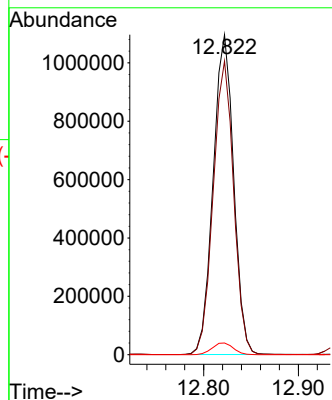
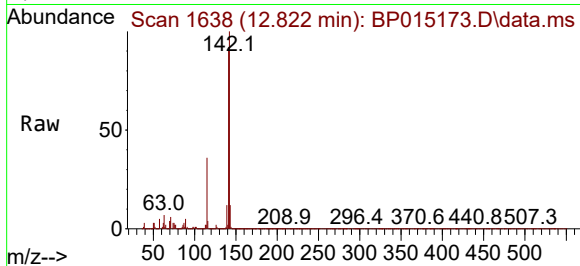
Tgt Ion:142 Resp: 1646039

Ion Ratio Lower Upper

142 100

141 91.7 74.6 112.0

116 3.7 2.9 4.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.893 ng/ul

RT: 12.969 min Scan# 1663

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Tgt Ion:216 Resp: 839857

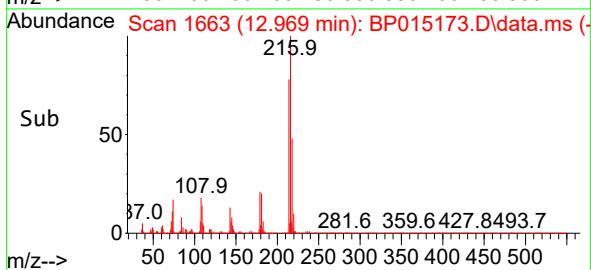
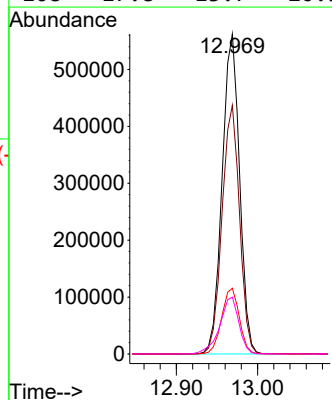
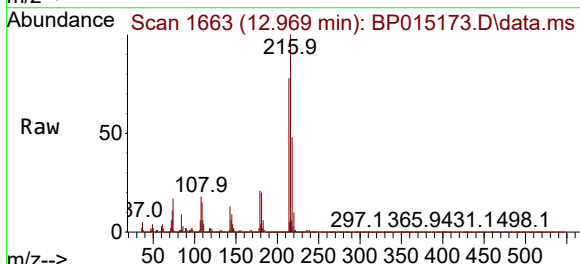
Ion Ratio Lower Upper

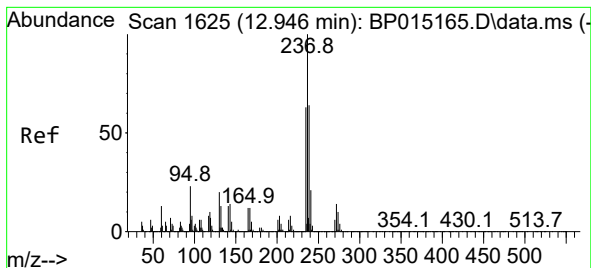
216 100

214 77.7 61.4 92.0

179 20.6 15.9 23.9

108 17.8 13.7 20.5





#40

Hexachlorocyclopentadiene

Concen: 24.919 ng/ul

RT: 12.945 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

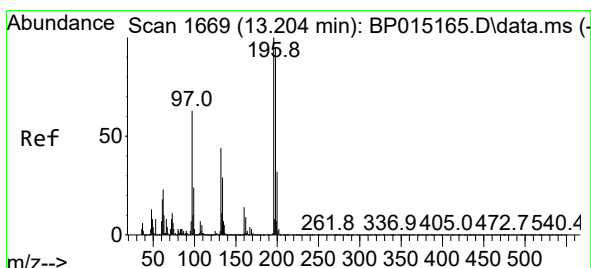
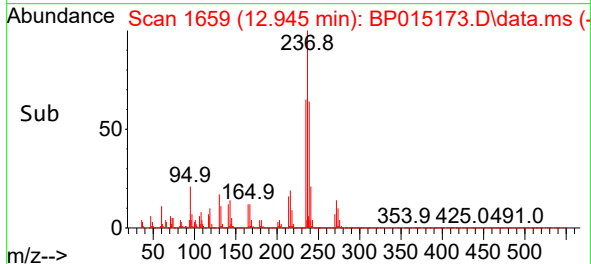
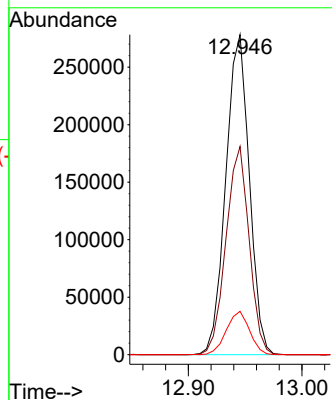
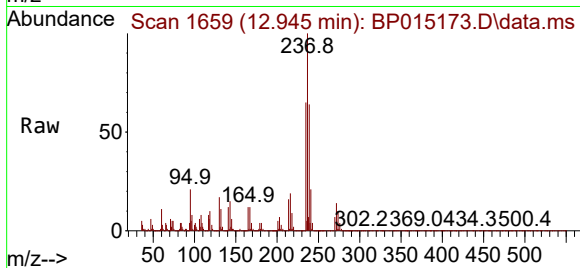
Tgt Ion:237 Resp: 400066

Ion Ratio Lower Upper

237 100

235 65.1 49.4 74.0

272 13.6 10.4 15.6



#41

2,4,6-Trichlorophenol

Concen: 32.757 ng/ul

RT: 13.204 min Scan# 1703

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

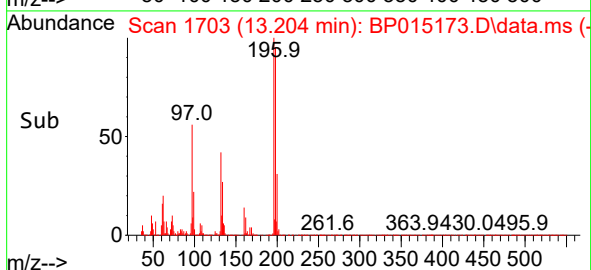
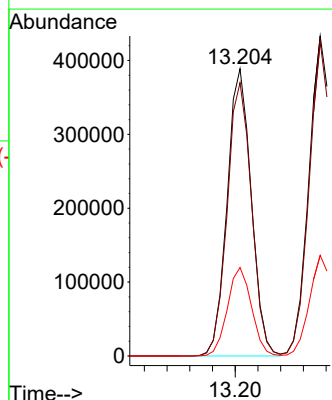
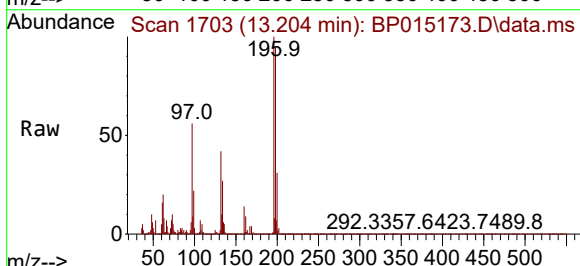
Tgt Ion:196 Resp: 573161

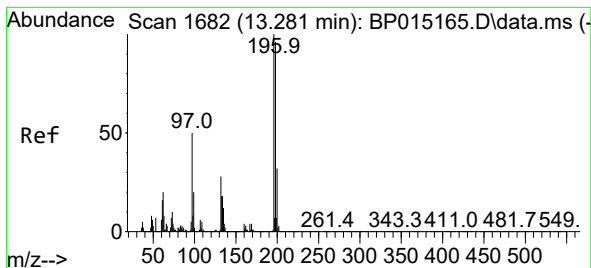
Ion Ratio Lower Upper

196 100

198 95.2 75.5 113.3

200 30.8 23.6 35.4





#42

2,4,5-Trichlorophenol

Concen: 33.797 ng/ul

RT: 13.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

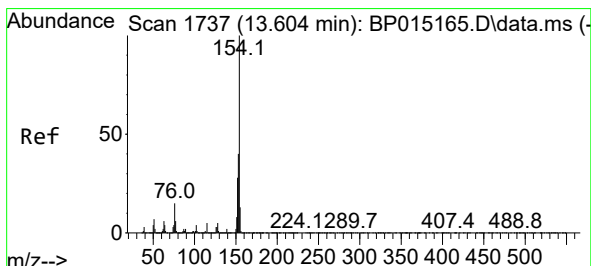
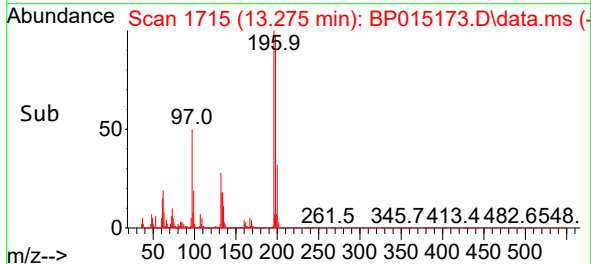
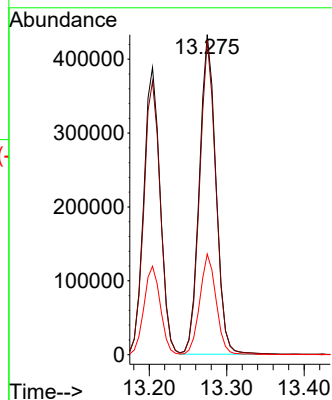
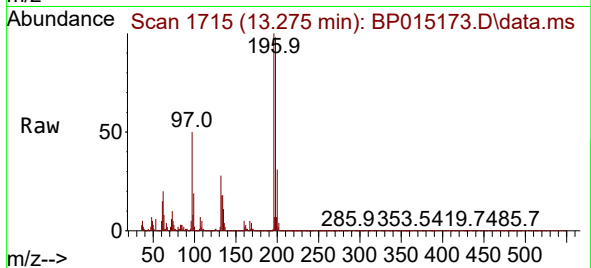
Tgt Ion:196 Resp: 641189

Ion Ratio Lower Upper

196 100

198 98.2 77.0 115.4

200 31.5 24.3 36.5



#43

1,1'-Biphenyl

Concen: 33.966 ng/ul

RT: 13.604 min Scan# 1771

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

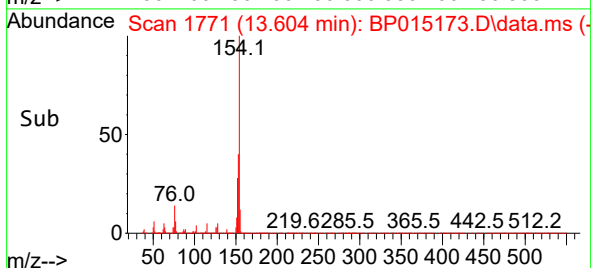
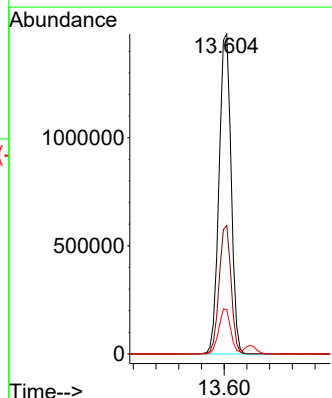
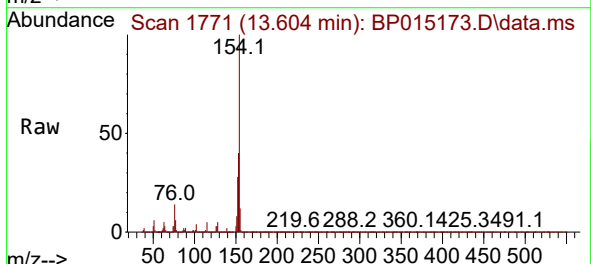
Tgt Ion:154 Resp: 2183470

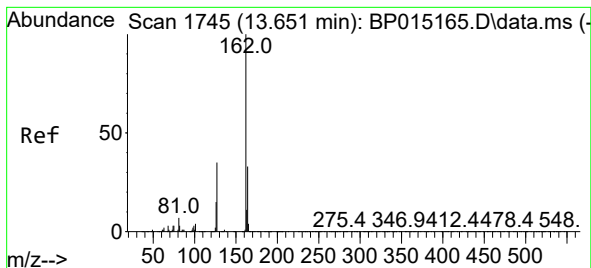
Ion Ratio Lower Upper

154 100

153 40.2 32.7 49.1

76 13.8 10.7 16.1

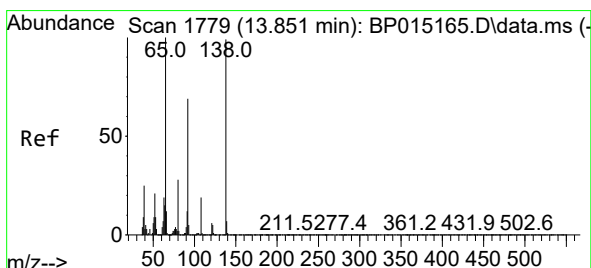
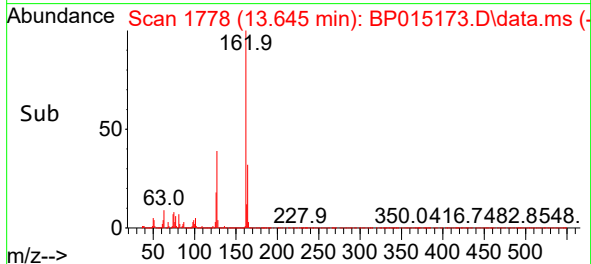
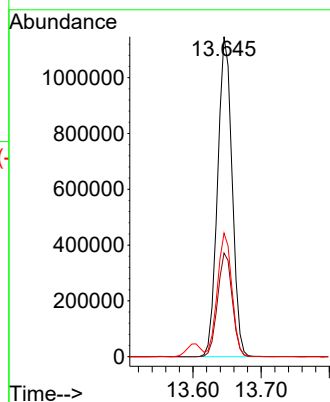
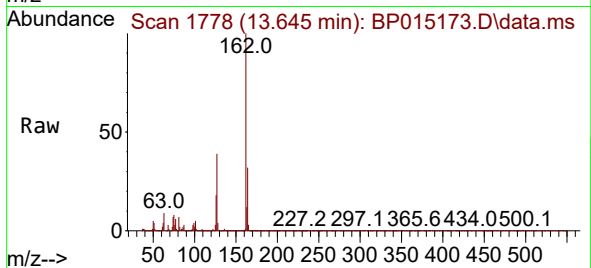




#44
2-Chloronaphthalene
Concen: 33.789 ng/ul
RT: 13.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

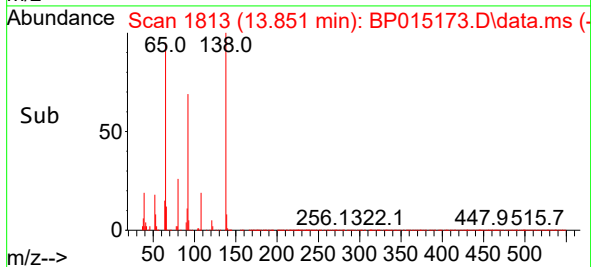
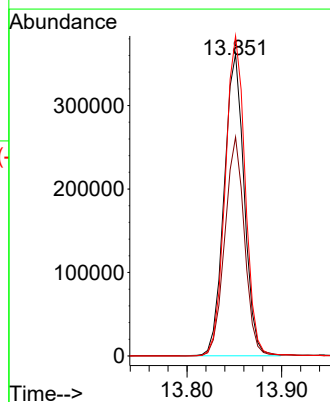
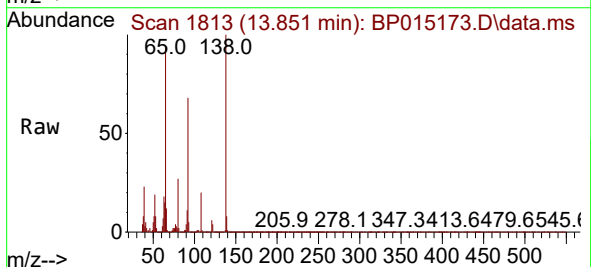
Instrument :
BNA_P
ClientSampleId :
SLCS814

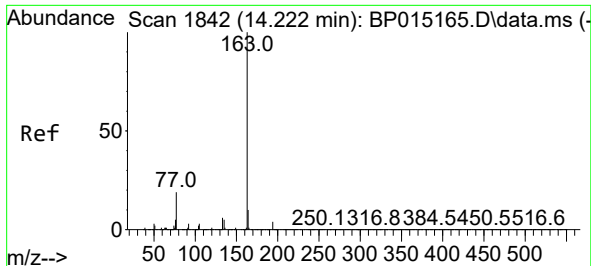
Tgt Ion:162 Resp: 1696297
Ion Ratio Lower Upper
162 100
164 32.4 25.9 38.9
127 38.6 30.8 46.2



#45
2-Nitroaniline
Concen: 37.094 ng/ul
RT: 13.851 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion: 65 Resp: 532813
Ion Ratio Lower Upper
65 100
92 72.5 59.8 89.8
138 106.0 92.3 138.5

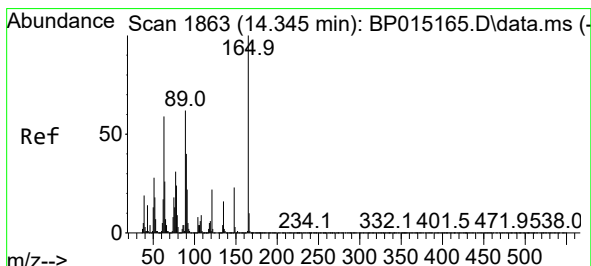
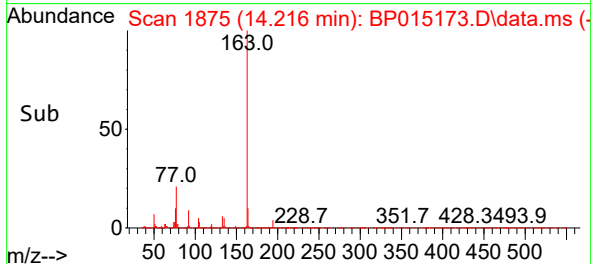
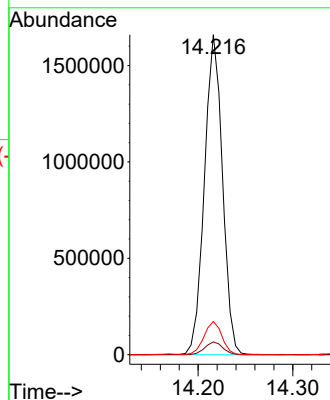
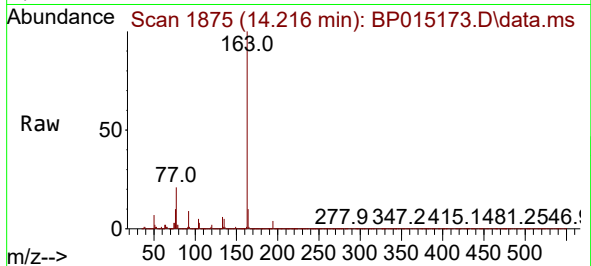




#47
Dimethylphthalate
Concen: 33.546 ng/ul
RT: 14.216 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

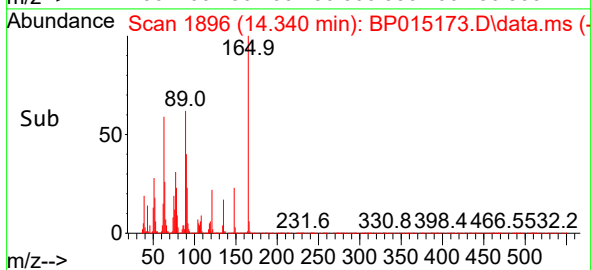
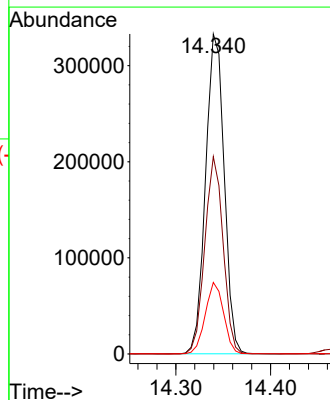
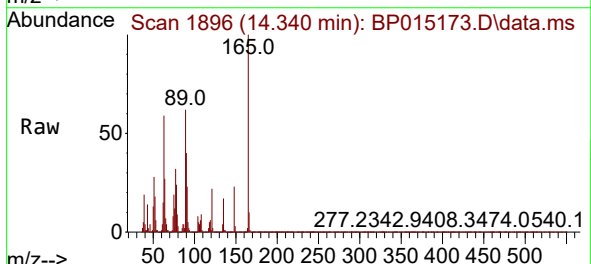
Instrument :
BNA_P
ClientSampleId :
SLCS814

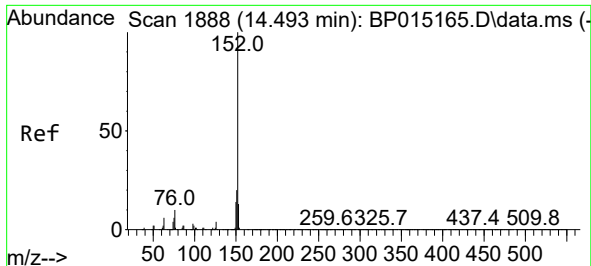
Tgt Ion:163 Resp: 2187273
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.4 8.2 12.4



#48
2,6-Dinitrotoluene
Concen: 35.106 ng/ul
RT: 14.340 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:165 Resp: 453496
Ion Ratio Lower Upper
165 100
89 61.7 48.0 72.0
121 22.4 17.5 26.3

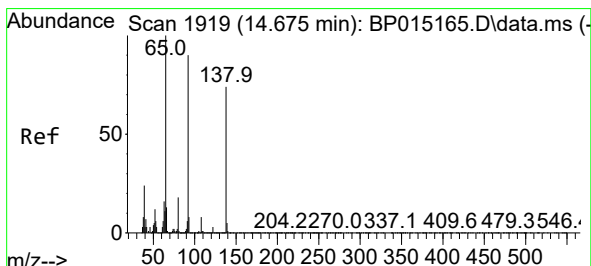
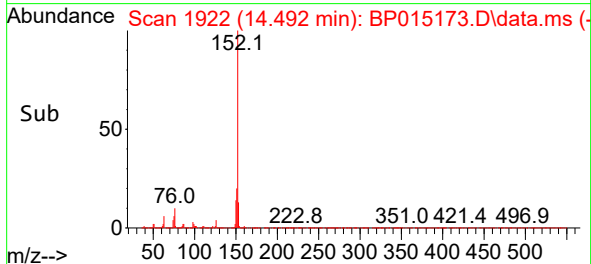
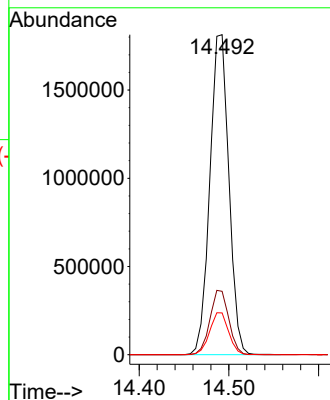
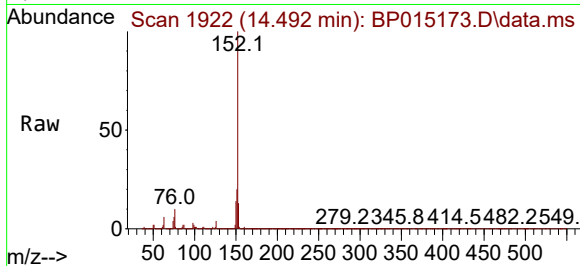




#50
Acenaphthylene
Concen: 33.386 ng/ul
RT: 14.492 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

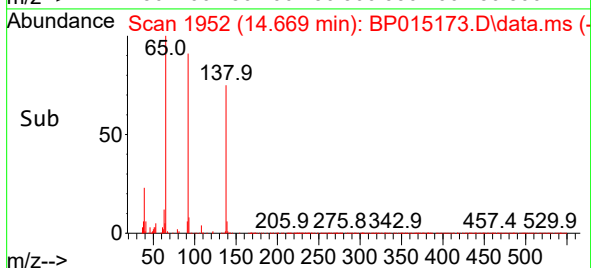
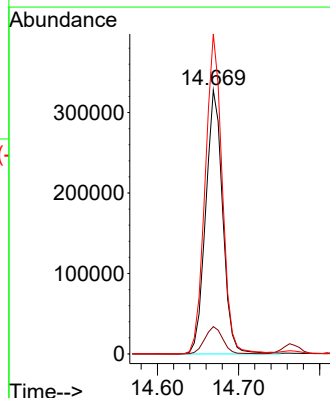
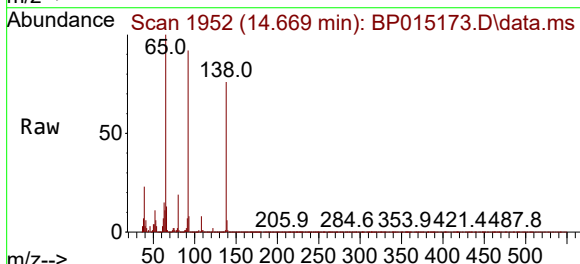
Instrument :
BNA_P
ClientSampleId :
SLCS814

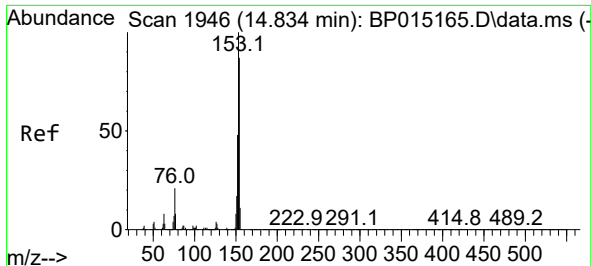
Tgt Ion:152 Resp: 2667441
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.1 10.3 15.5



#51
3-Nitroaniline
Concen: 40.949 ng/ul
RT: 14.669 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:138 Resp: 476312
Ion Ratio Lower Upper
138 100
108 10.4 8.8 13.2
92 121.3 93.4 140.0

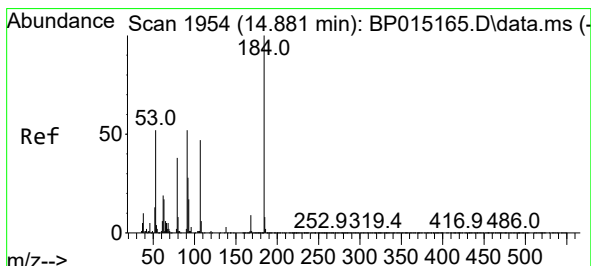
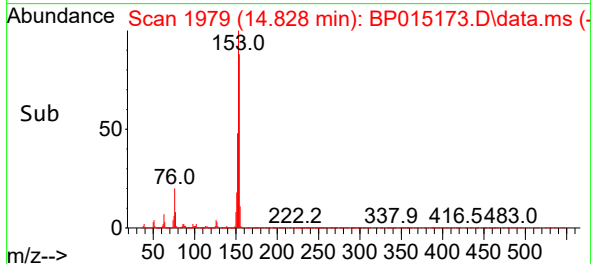
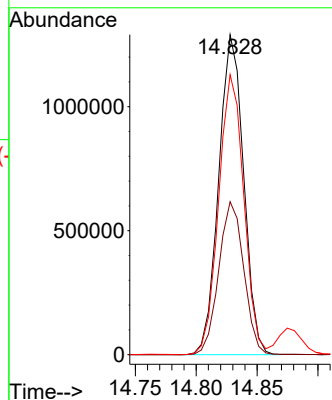
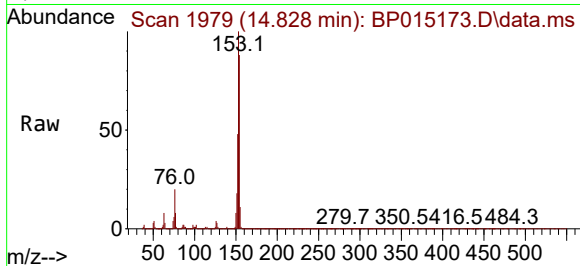




#52
Acenaphthene
Concen: 33.627 ng/ul
RT: 14.828 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

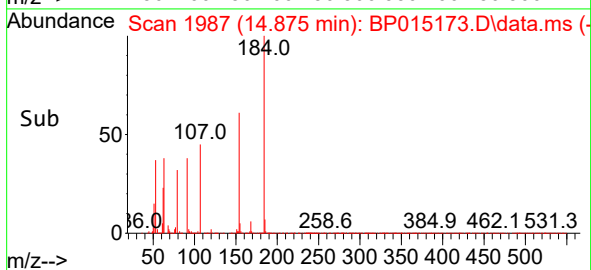
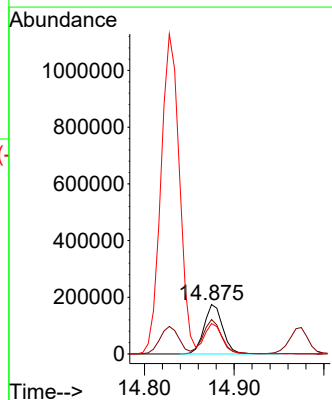
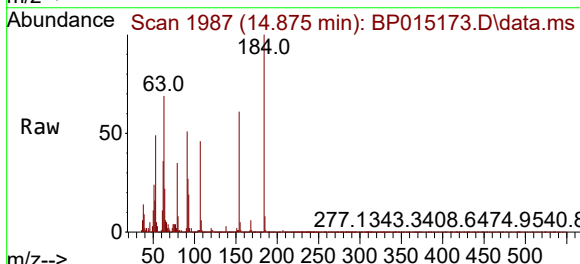
Instrument :
BNA_P
ClientSampleId :
SLCS814

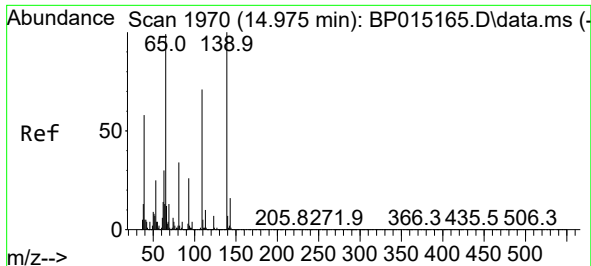
Tgt Ion:153 Resp: 1834976
Ion Ratio Lower Upper
153 100
152 47.8 38.0 57.0
154 87.5 71.0 106.4



#53
2,4-Dinitrophenol
Concen: 29.586 ng/ul
RT: 14.875 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:184 Resp: 253751
Ion Ratio Lower Upper
184 100
63 69.4 49.7 74.5
154 61.4 47.5 71.3

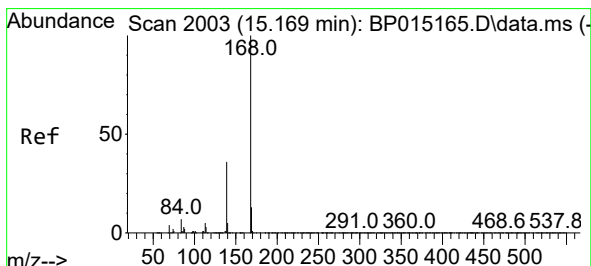
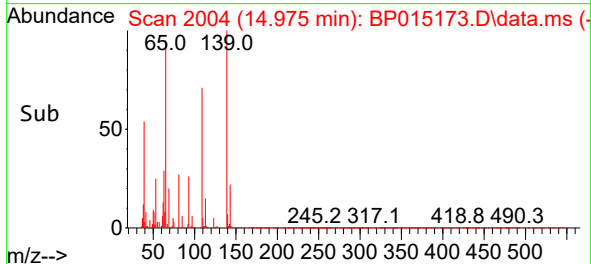
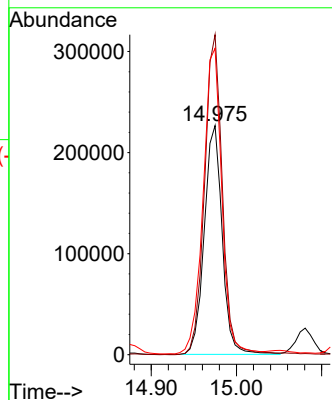
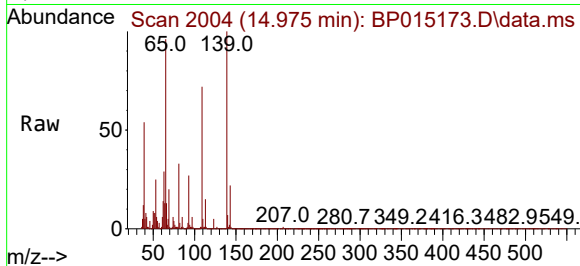




#55
4-Nitrophenol
Concen: 37.004 ng/ul
RT: 14.975 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

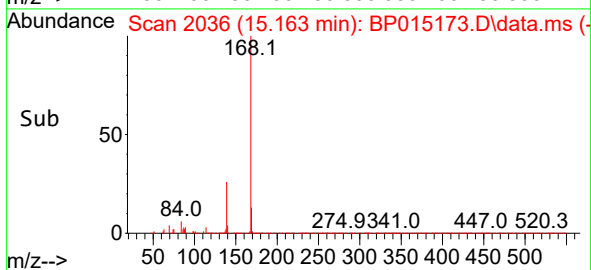
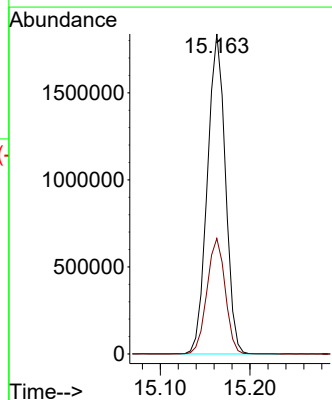
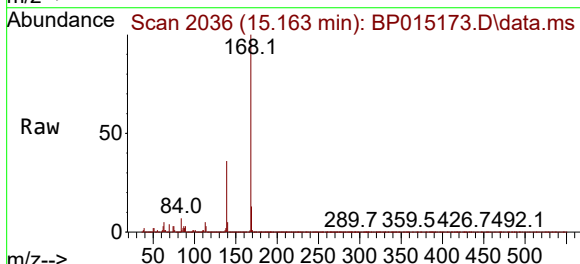
Instrument :
BNA_P
ClientSampleId :
SLCS814

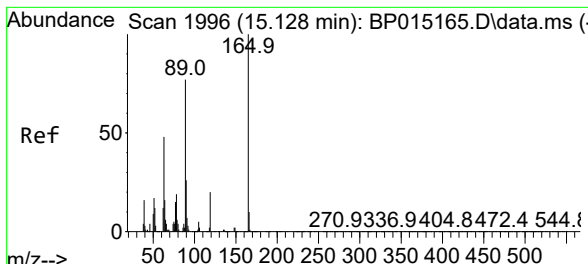
Tgt Ion:109 Resp: 330883
Ion Ratio Lower Upper
109 100
139 139.7 115.3 172.9
65 133.8 107.9 161.9



#56
Dibenzofuran
Concen: 33.742 ng/ul
RT: 15.163 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:168 Resp: 2560968
Ion Ratio Lower Upper
168 100
139 36.1 29.4 44.0



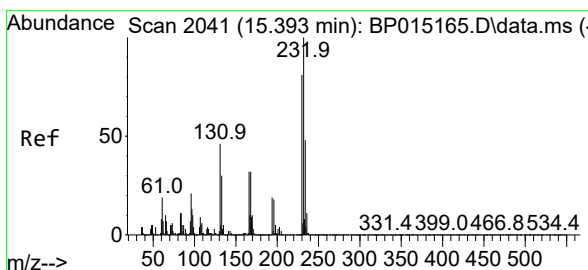
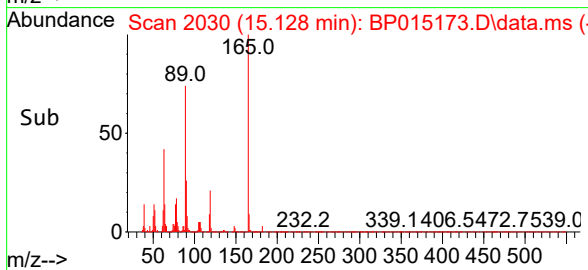
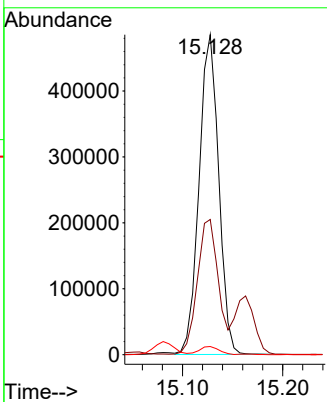
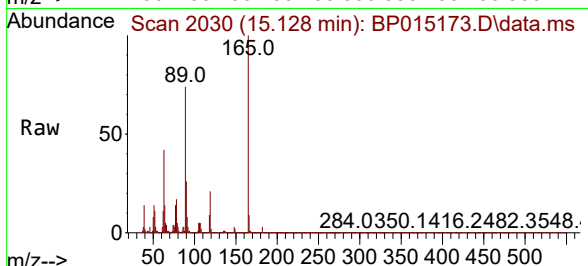


#57
 2,4-Dinitrotoluene
 Concen: 35.400 ng/ul
 RT: 15.128 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: BP015173.D
 Acq: 19 May 2023 15:21

Instrument :
 BNA_P
 ClientSampleId :
 SLCS814

Tgt Ion:165 Resp: 661702

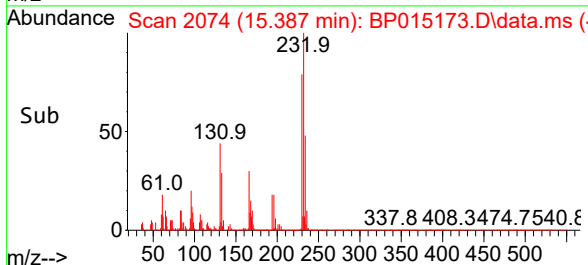
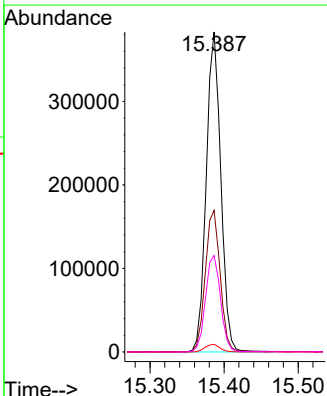
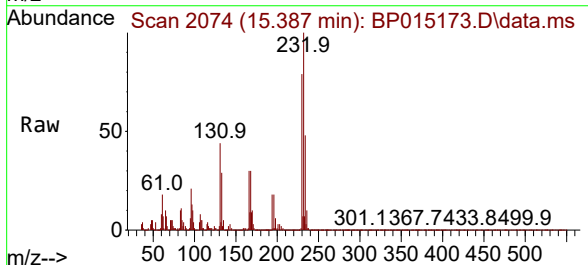
Ion	Ratio	Lower	Upper
165	100		
63	42.2	33.1	49.7
182	2.6	2.1	3.1

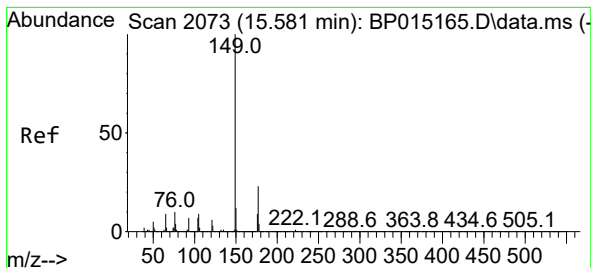


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 32.673 ng/ul
 RT: 15.387 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: BP015173.D
 Acq: 19 May 2023 15:21

Tgt Ion:232 Resp: 523137

Ion	Ratio	Lower	Upper
232	100		
131	44.2	36.8	55.2
130	2.4	1.9	2.9
166	30.2	24.6	37.0





#59

Diethylphthalate

Concen: 33.987 ng/ul

RT: 15.575 min Scan# 2106

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

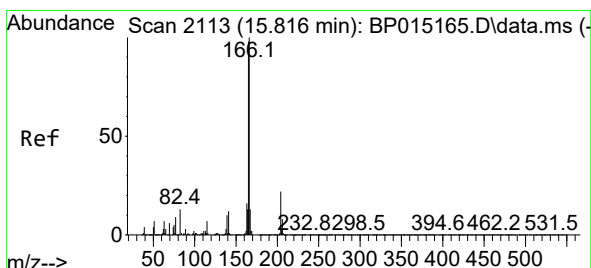
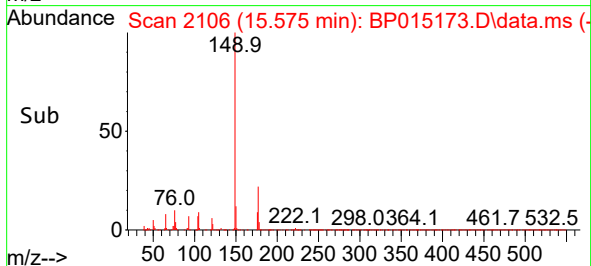
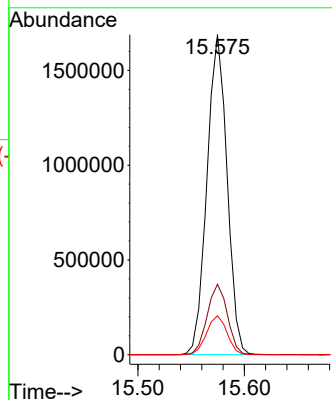
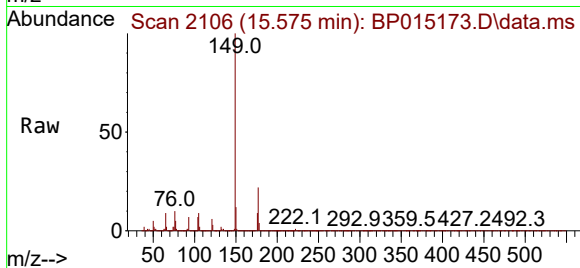
Tgt Ion:149 Resp: 2210272

Ion Ratio Lower Upper

149 100

177 22.0 17.5 26.3

150 12.1 9.8 14.8



#61

Fluorene

Concen: 33.805 ng/ul

RT: 15.810 min Scan# 2146

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

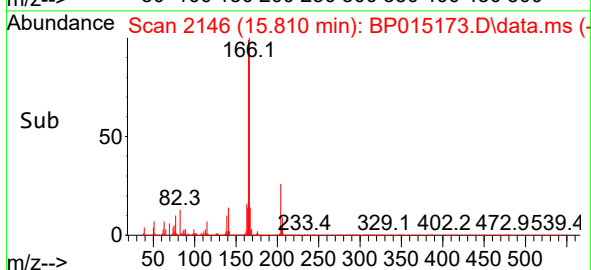
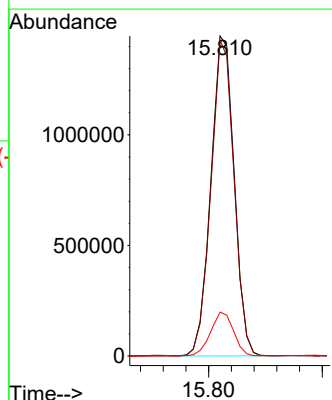
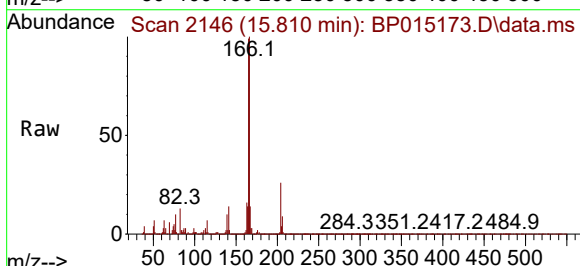
Tgt Ion:166 Resp: 2061906

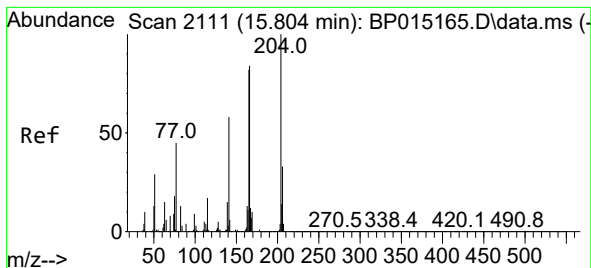
Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

167 13.7 10.6 15.8

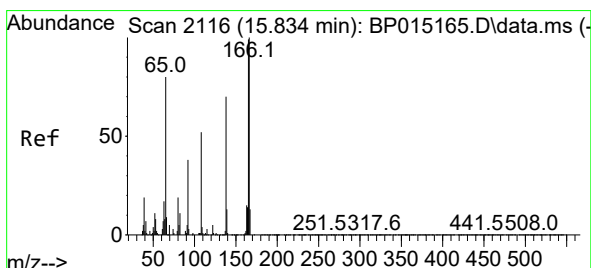
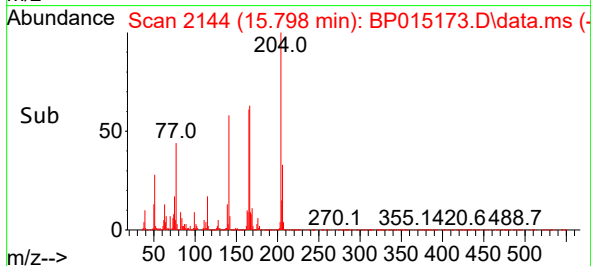
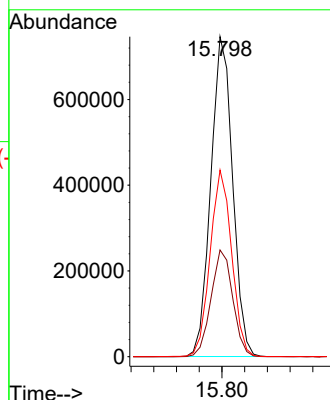
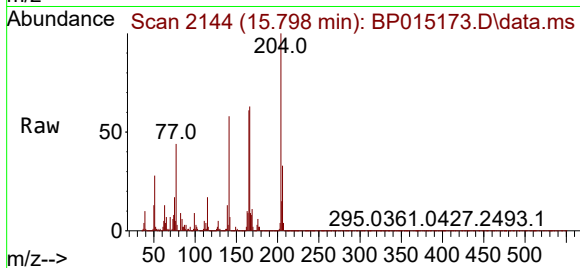




#62
4-Chlorophenyl-phenylether
Concen: 33.383 ng/ul
RT: 15.798 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

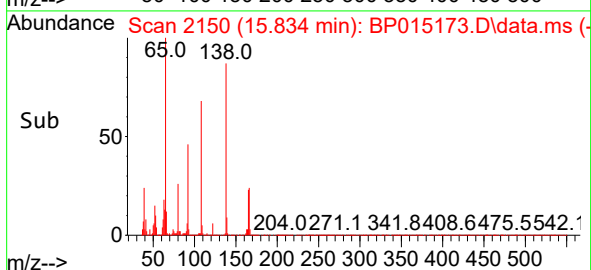
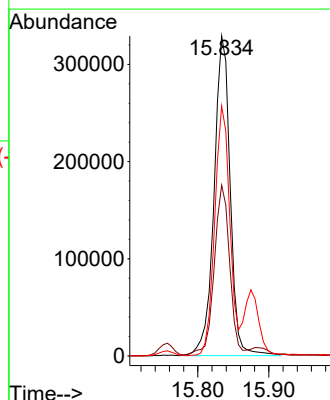
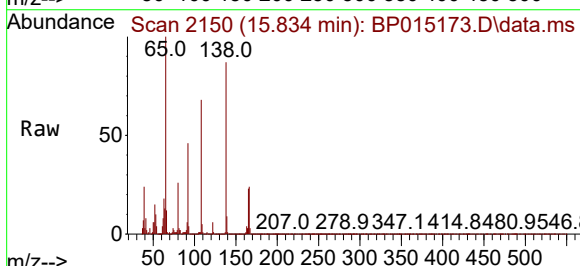
Instrument :
BNA_P
ClientSampleId :
SLCS814

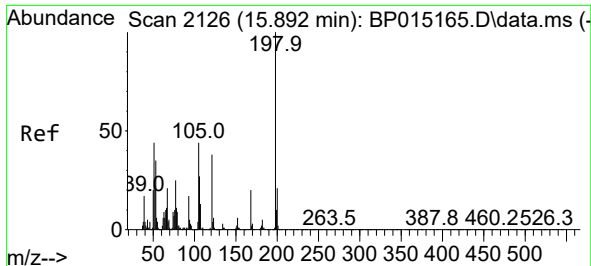
Tgt Ion:204 Resp: 994907
Ion Ratio Lower Upper
204 100
206 33.4 26.1 39.1
141 58.3 44.5 66.7



#63
4-Nitroaniline
Concen: 51.595 ng/ul
RT: 15.834 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:138 Resp: 518258
Ion Ratio Lower Upper
138 100
92 53.4 41.2 61.8
108 78.2 60.1 90.1

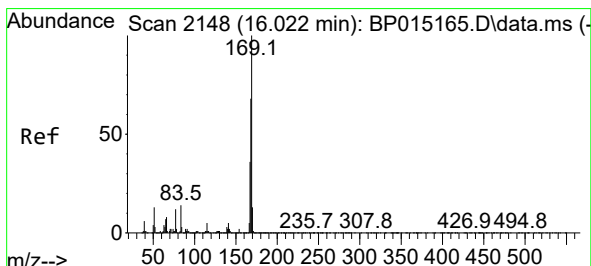
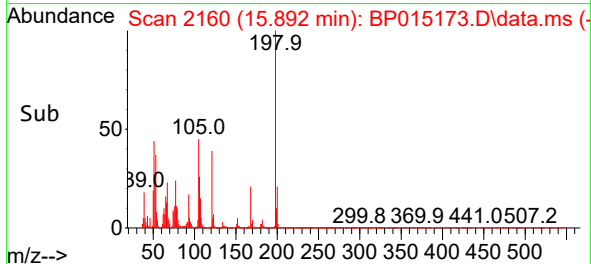
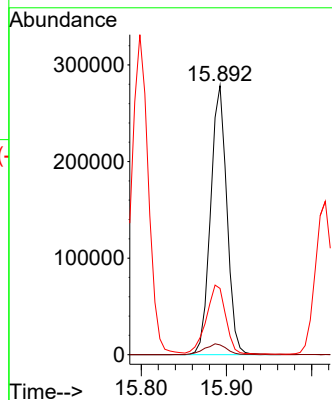
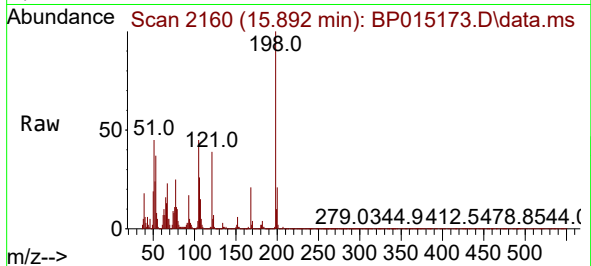




#66
4,6-Dinitro-2-methylphenol
Concen: 30.923 ng/ul
RT: 15.892 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

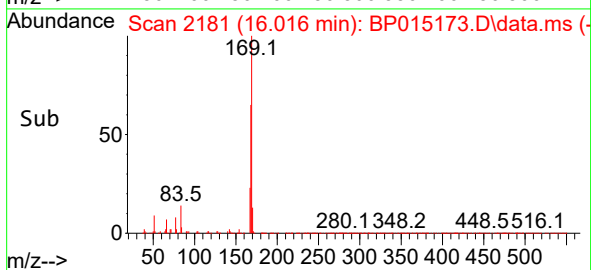
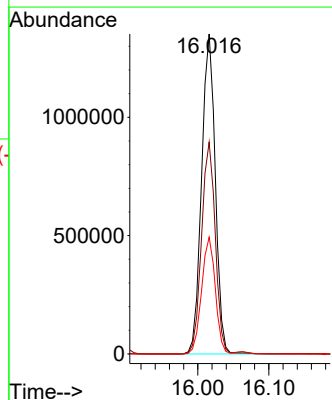
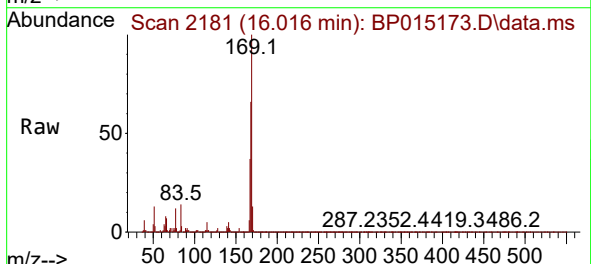
Instrument :
BNA_P
ClientSampleId :
SLCS814

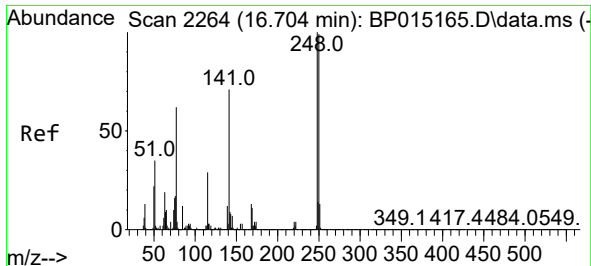
Tgt Ion:198 Resp: 370149
Ion Ratio Lower Upper
198 100
182 3.7 3.7 5.5#
77 24.6 21.2 31.8



#67
N-Nitrosodiphenylamine
Concen: 33.541 ng/ul
RT: 16.016 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:169 Resp: 1815062
Ion Ratio Lower Upper
169 100
168 66.2 53.5 80.3
167 36.5 28.9 43.3

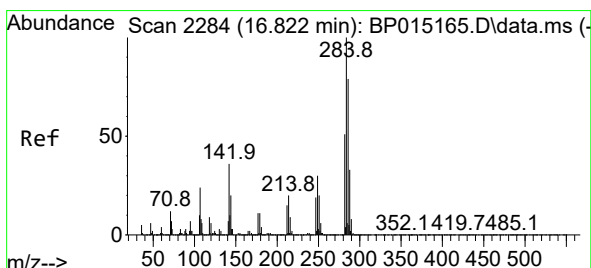
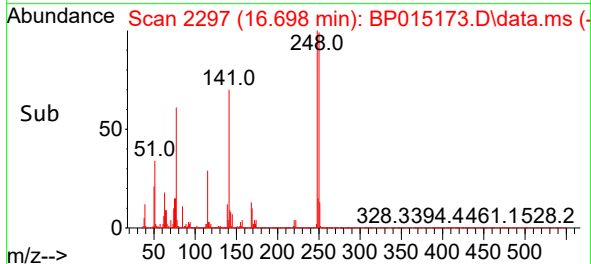
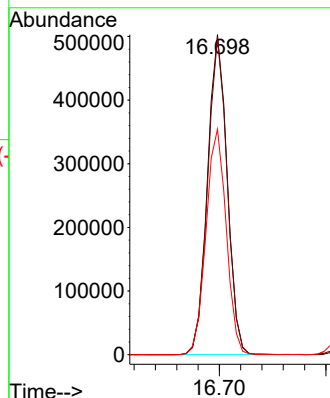
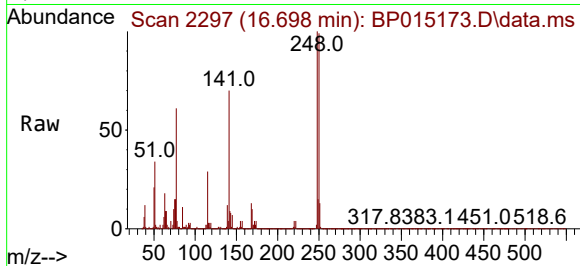




#68
4-Bromophenyl-phenylether
Concen: 34.000 ng/ul
RT: 16.698 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

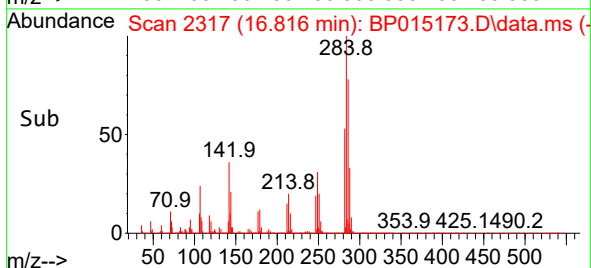
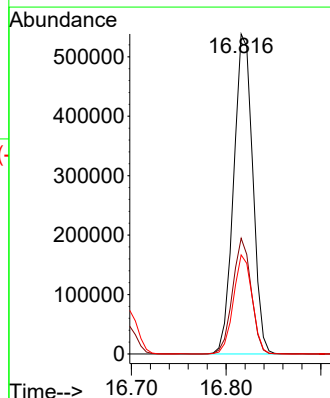
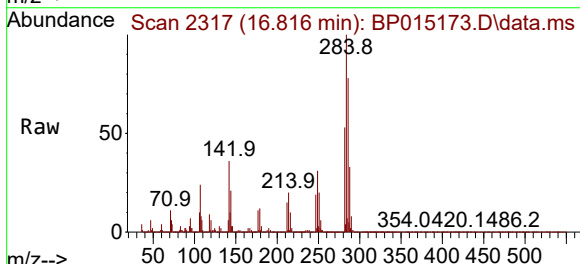
Instrument :
BNA_P
ClientSampleId :
SLCS814

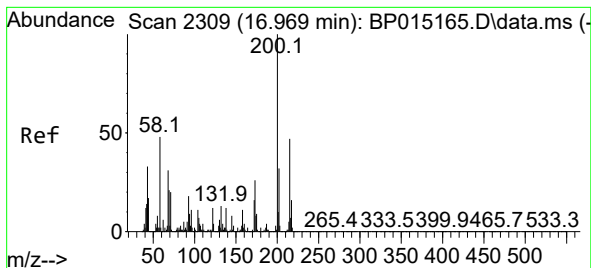
Tgt Ion:248 Resp: 644498
Ion Ratio Lower Upper
248 100
250 99.1 79.0 118.4
141 70.5 58.6 87.8



#69
Hexachlorobenzene
Concen: 33.596 ng/ul
RT: 16.816 min Scan# 2317
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:284 Resp: 752591
Ion Ratio Lower Upper
284 100
142 36.1 27.3 40.9
249 31.0 24.6 36.8





#70

Atrazine

Concen: 18.180 ng/ul

RT: 16.963 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

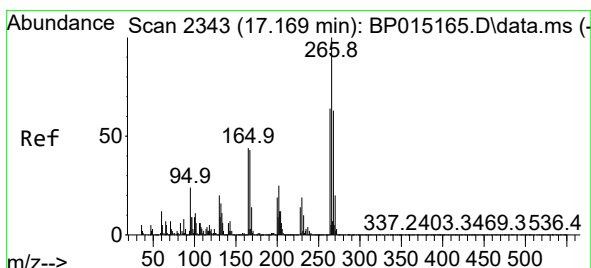
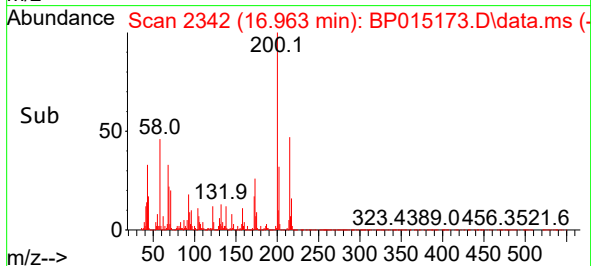
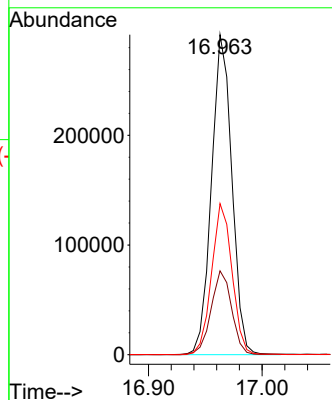
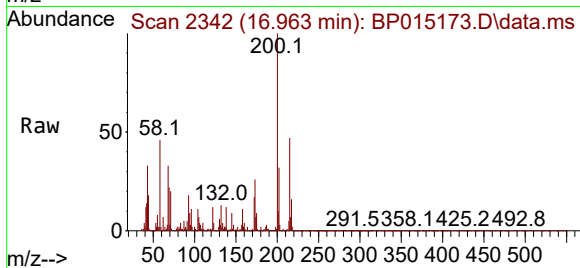
Tgt Ion:200 Resp: 363625

Ion Ratio Lower Upper

200 100

173 26.2 21.4 32.2

215 47.2 38.1 57.1



#71

Pentachlorophenol

Concen: 30.587 ng/ul

RT: 17.163 min Scan# 2376

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

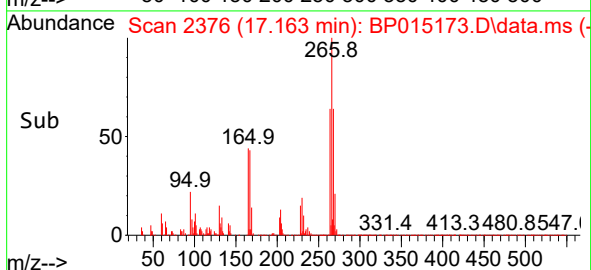
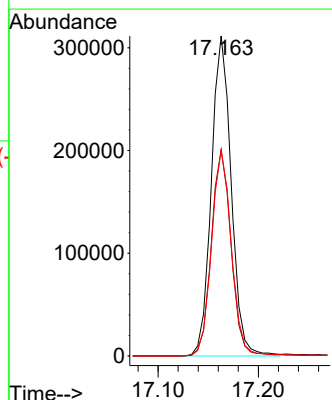
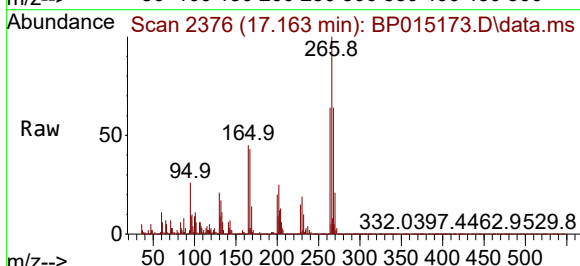
Tgt Ion:266 Resp: 428596

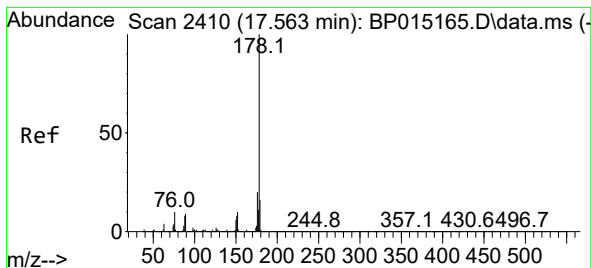
Ion Ratio Lower Upper

266 100

264 64.4 51.0 76.4

268 64.3 51.8 77.6





#72

Phenanthrene

Concen: 33.702 ng/ul

RT: 17.563 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

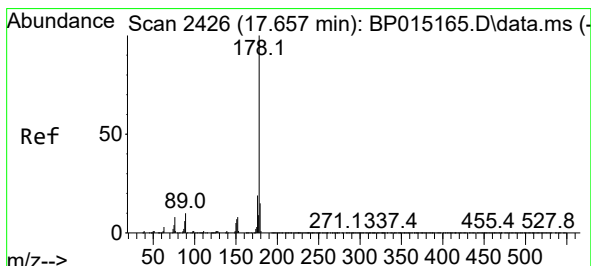
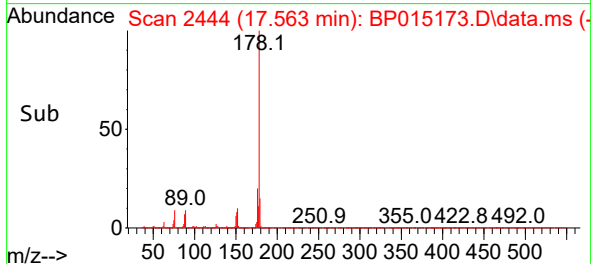
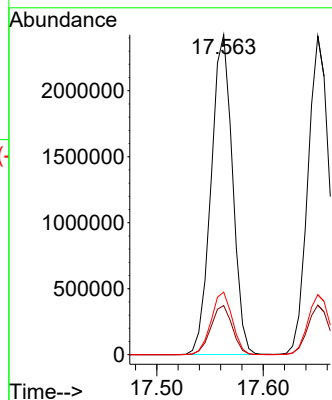
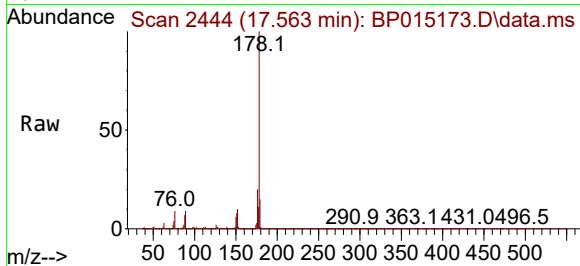
Tgt Ion:178 Resp: 3377484

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.6 15.6 23.4



#74

Anthracene

Concen: 33.140 ng/ul

RT: 17.651 min Scan# 2459

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

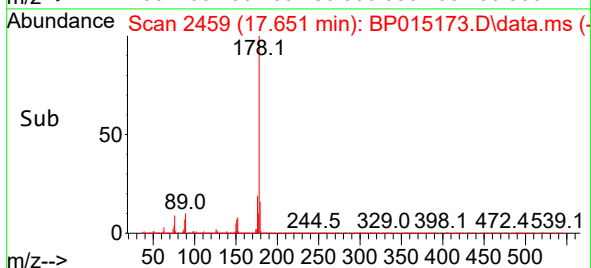
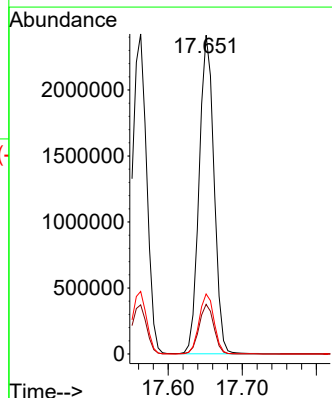
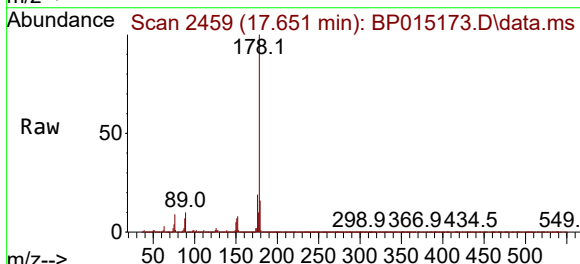
Tgt Ion:178 Resp: 3358358

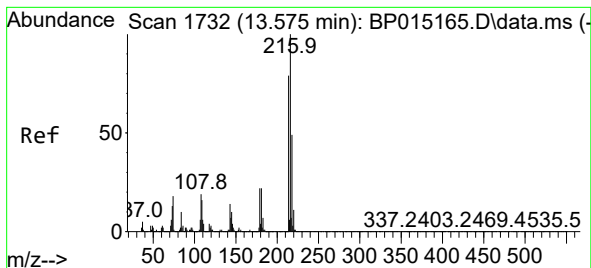
Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

176 18.8 15.2 22.8





#75

1,2,3,4-Tetrachlorobenzene

Concen: 32.639 ng/uL

RT: 13.569 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

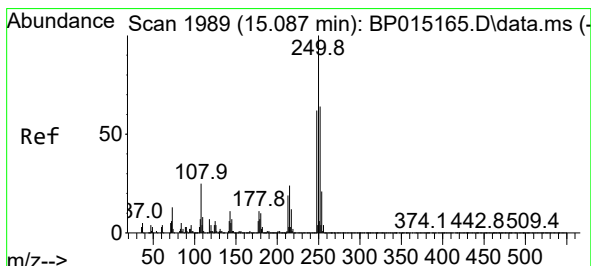
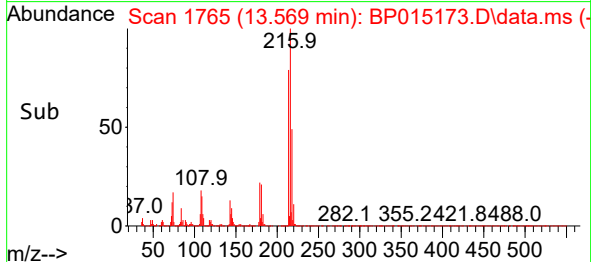
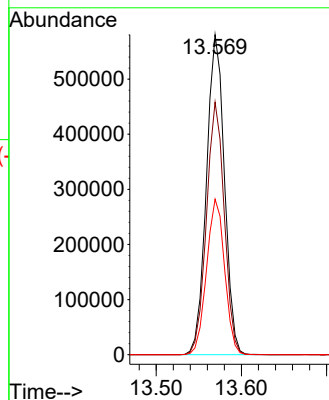
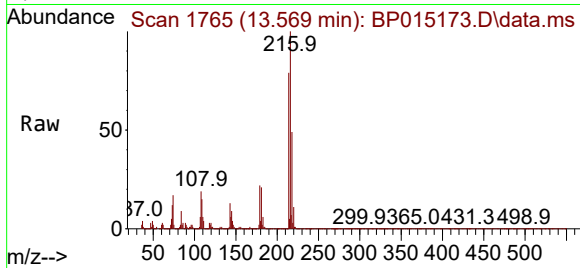
Tgt Ion:216 Resp: 851663

Ion Ratio Lower Upper

216 100

214 78.9 62.2 93.4

218 48.6 38.2 57.2



#76

Pentachlorobenzene

Concen: 32.538 ng/uL

RT: 15.081 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

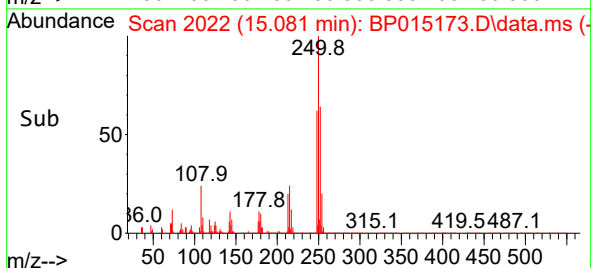
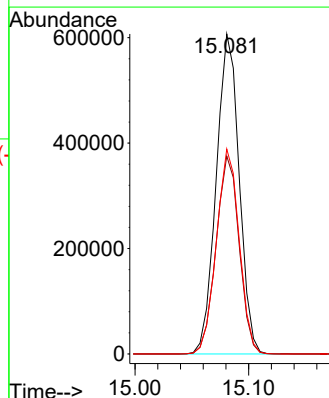
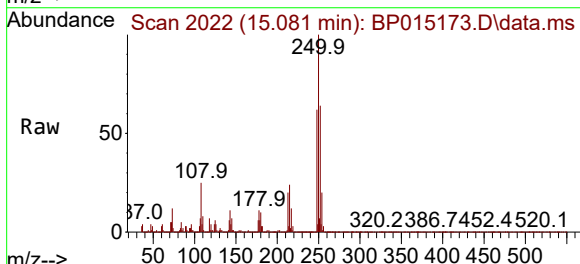
Tgt Ion:250 Resp: 852489

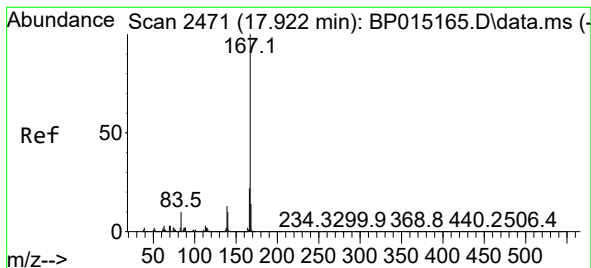
Ion Ratio Lower Upper

250 100

248 61.9 49.8 74.6

252 64.1 51.6 77.4





#77

Carbazole

Concen: 35.551 ng/ul

RT: 17.916 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

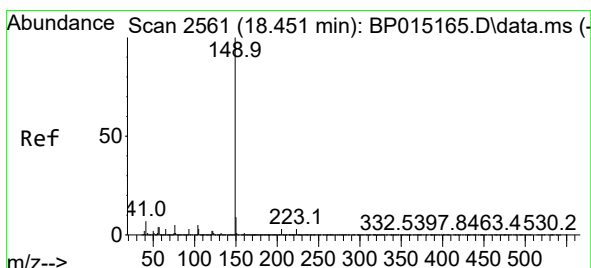
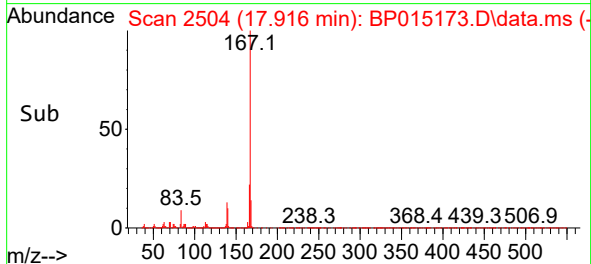
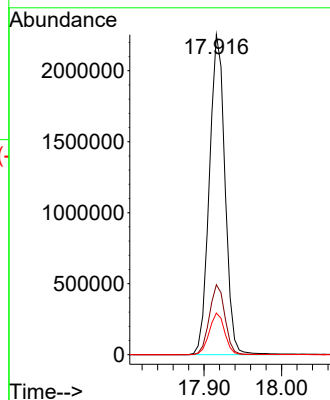
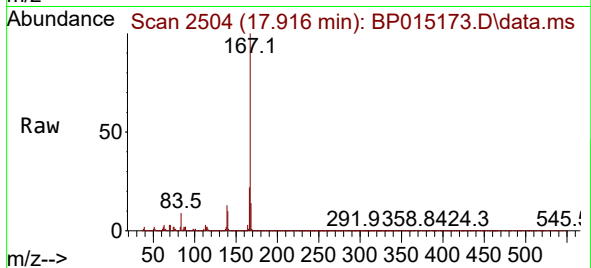
Tgt Ion:167 Resp: 3159129

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.2

139 13.0 10.2 15.4



#78

Di-n-butylphthalate

Concen: 34.562 ng/ul

RT: 18.445 min Scan# 2594

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

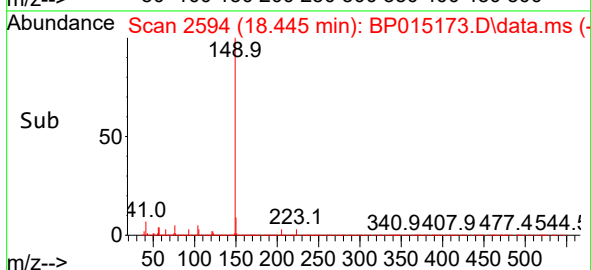
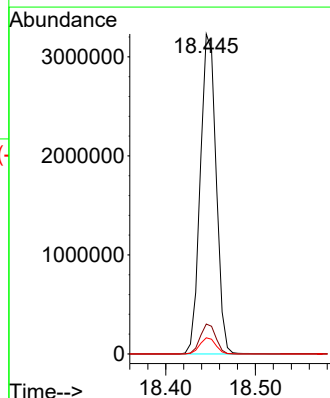
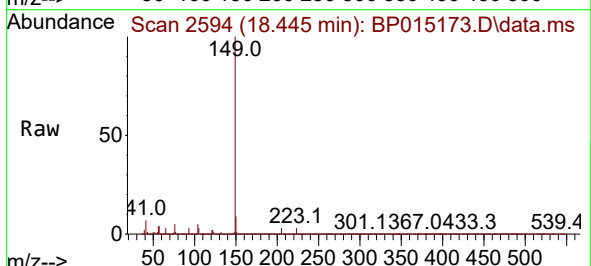
Tgt Ion:149 Resp: 3955132

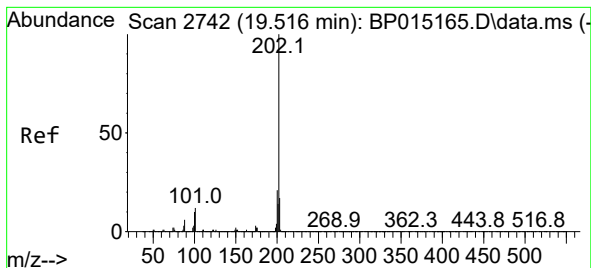
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 5.1 3.9 5.9





#80

Fluoranthene

Concen: 34.085 ng/ul

RT: 19.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

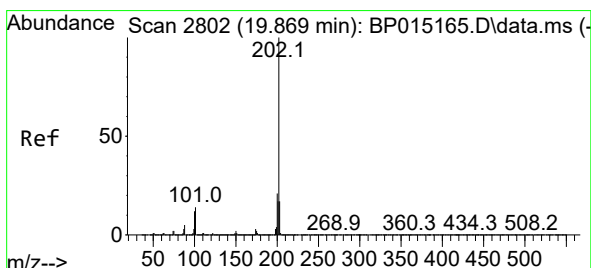
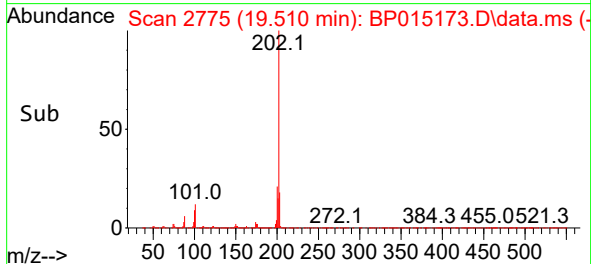
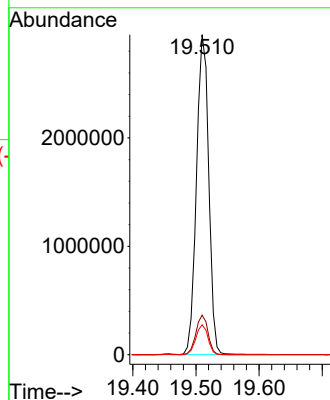
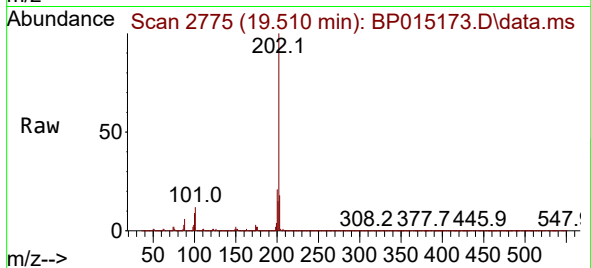
Tgt Ion:202 Resp: 3968153

Ion Ratio Lower Upper

202 100

101 12.4 9.5 14.3

100 9.4 7.3 10.9



#82

Pyrene

Concen: 33.707 ng/ul

RT: 19.863 min Scan# 2835

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

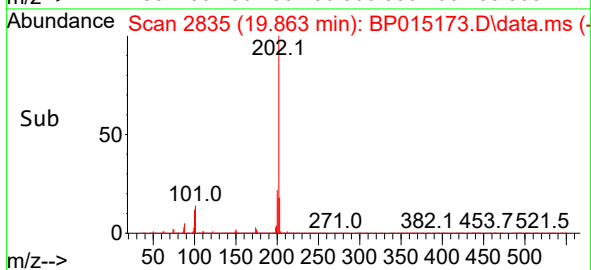
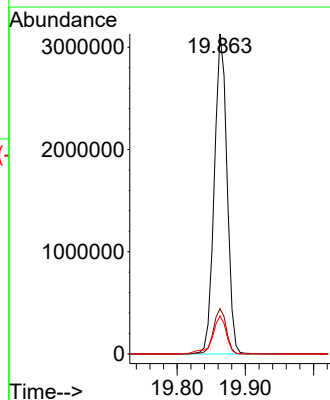
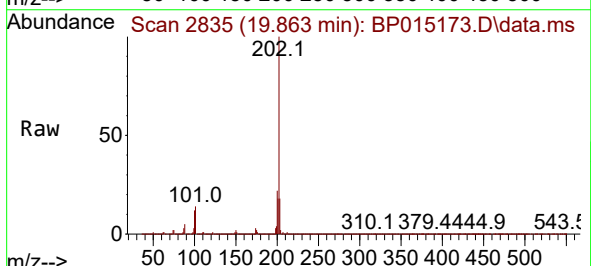
Tgt Ion:202 Resp: 4052400

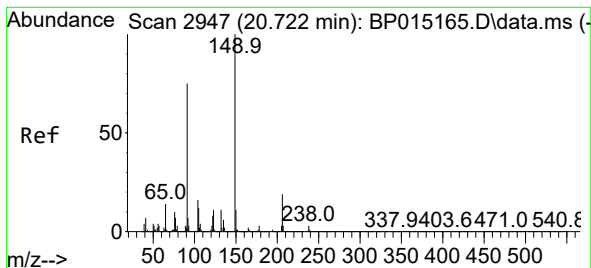
Ion Ratio Lower Upper

202 100

101 14.1 11.2 16.8

100 11.9 9.0 13.6





#83

Butylbenzylphthalate

Concen: 34.795 ng/ul

RT: 20.716 min Scan# 2947

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

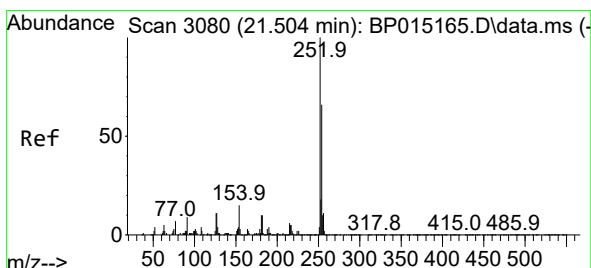
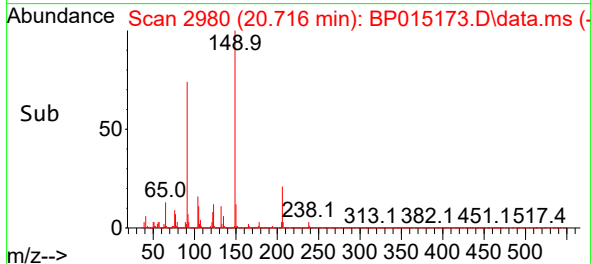
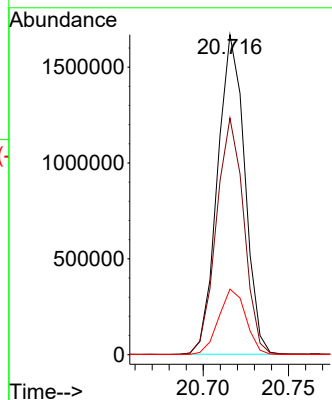
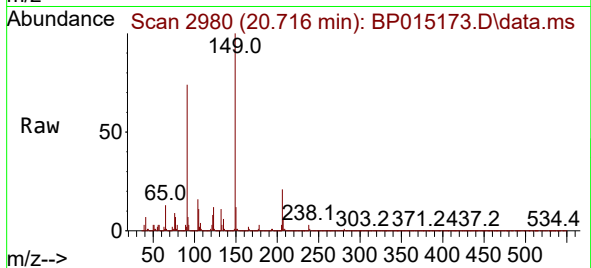
Tgt Ion:149 Resp: 1854495

Ion Ratio Lower Upper

149 100

91 74.0 57.4 86.2

206 20.5 16.6 25.0



#84

3,3'-Dichlorobenzidine

Concen: 36.301 ng/ul

RT: 21.504 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

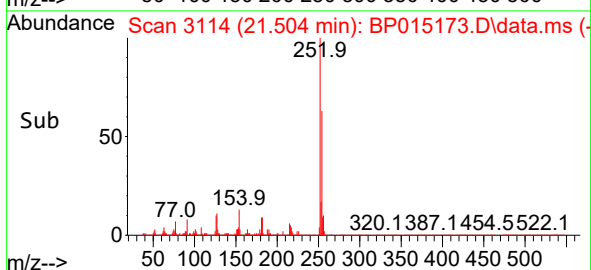
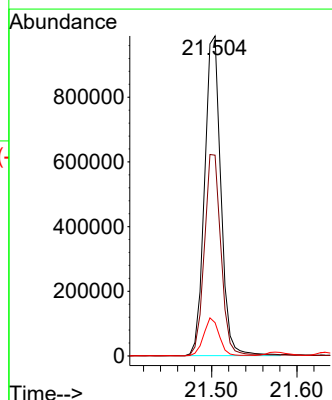
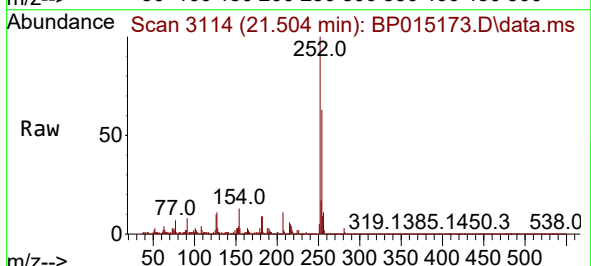
Tgt Ion:252 Resp: 1313023

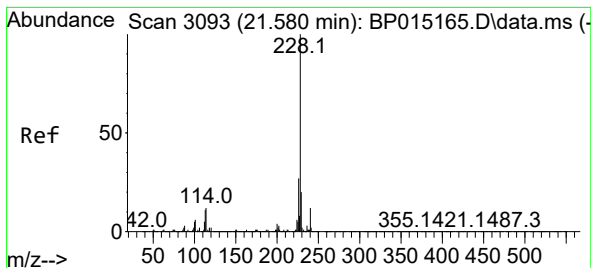
Ion Ratio Lower Upper

252 100

254 62.7 50.8 76.2

126 10.4 9.8 14.8





#85

Benzo(a)anthracene

Concen: 34.495 ng/ul

RT: 21.574 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

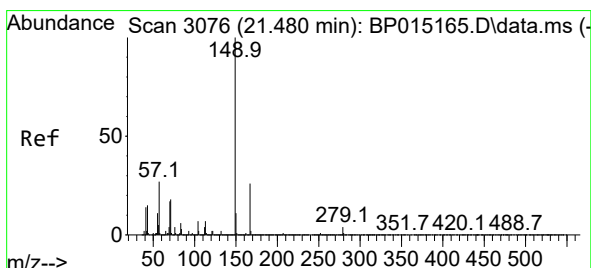
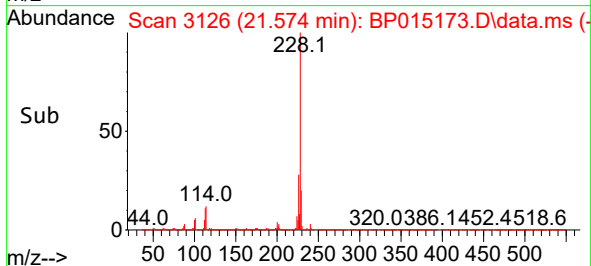
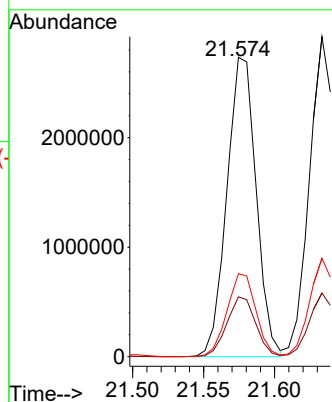
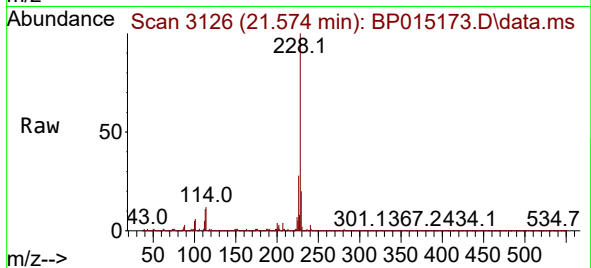
Tgt Ion:228 Resp: 3928110

Ion Ratio Lower Upper

228 100

229 20.0 16.1 24.1

226 27.8 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 35.203 ng/ul

RT: 21.474 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

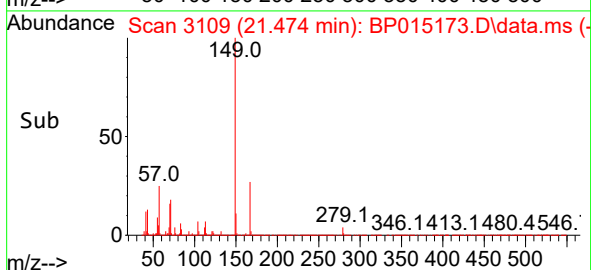
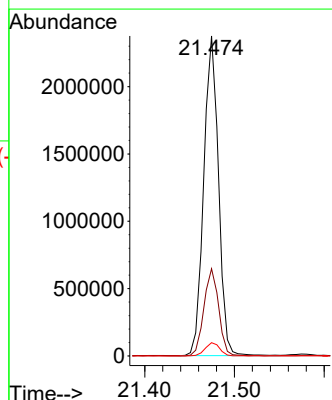
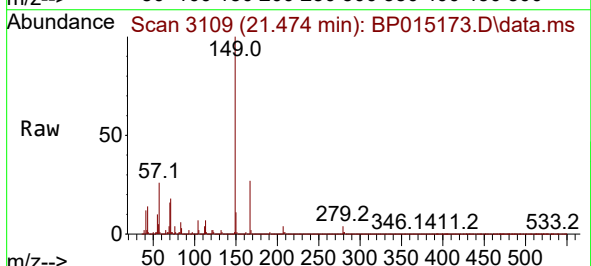
Tgt Ion:149 Resp: 2701189

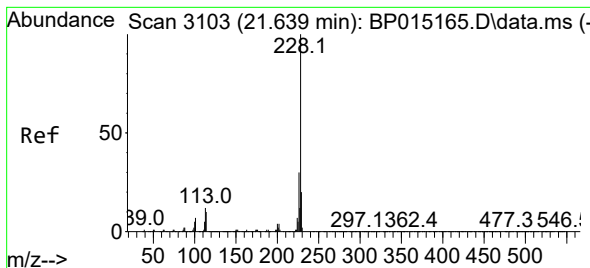
Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.6

279 4.1 3.2 4.8





#87

Chrysene

Concen: 34.214 ng/ul

RT: 21.633 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

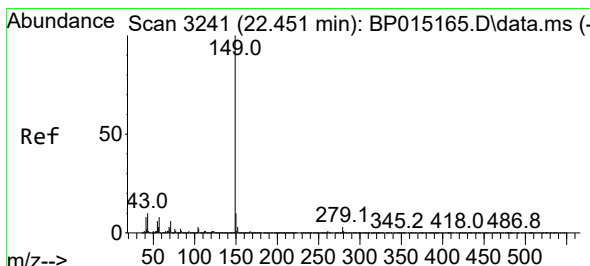
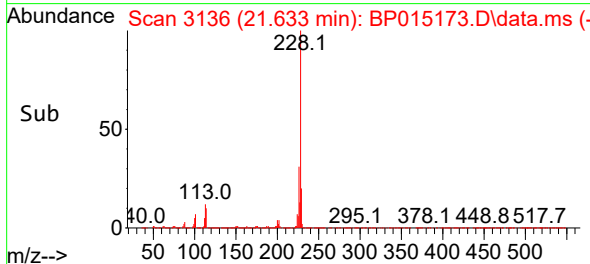
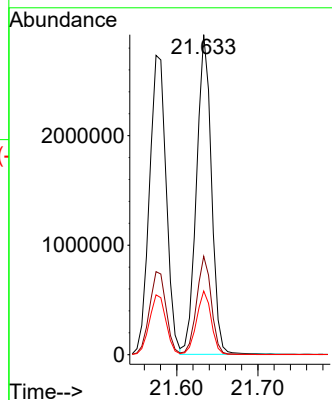
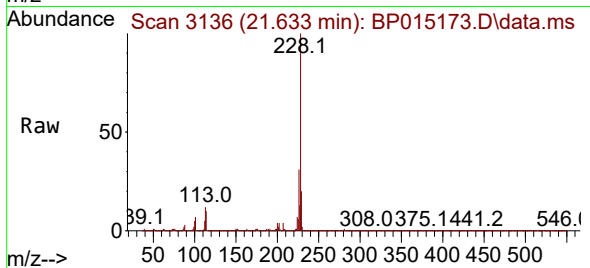
Tgt Ion:228 Resp: 3724383

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 19.9 16.1 24.1



#89

Di-n-octyl phthalate

Concen: 39.509 ng/ul

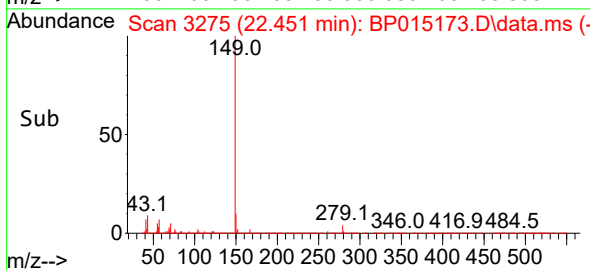
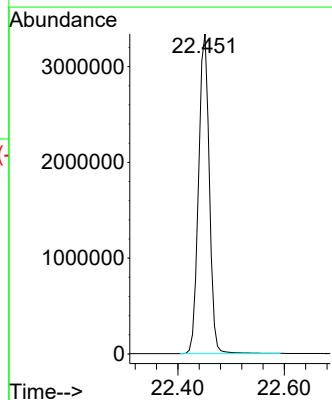
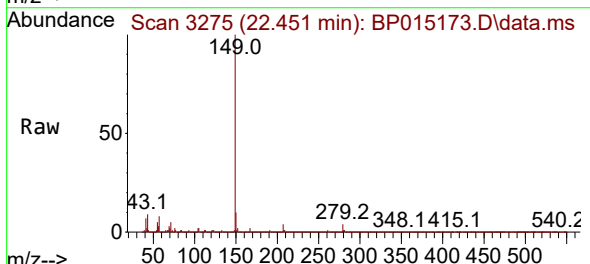
RT: 22.451 min Scan# 3275

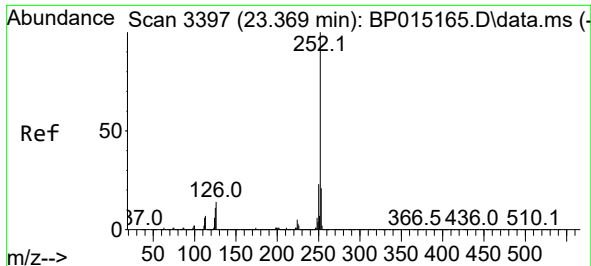
Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Tgt Ion:149 Resp: 4690979

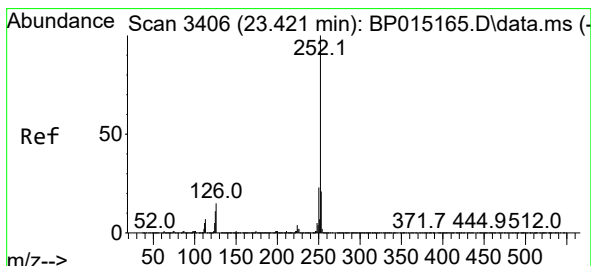
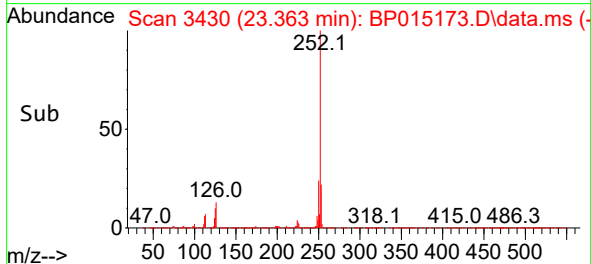
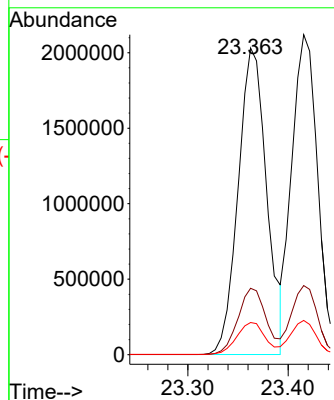
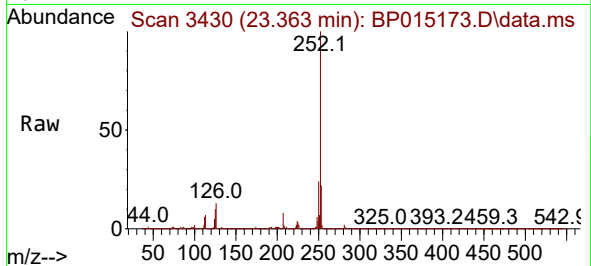




#90
Benzo(b)fluoranthene
Concen: 36.615 ng/ul
RT: 23.363 min Scan# 3400
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

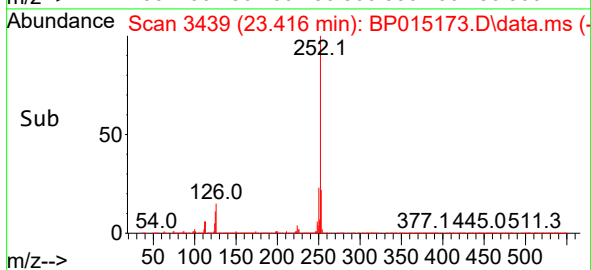
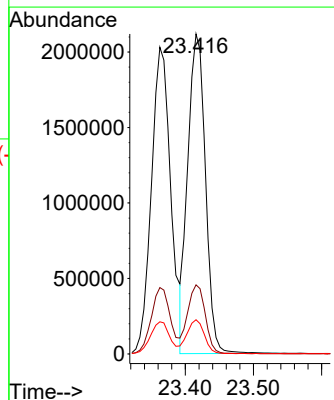
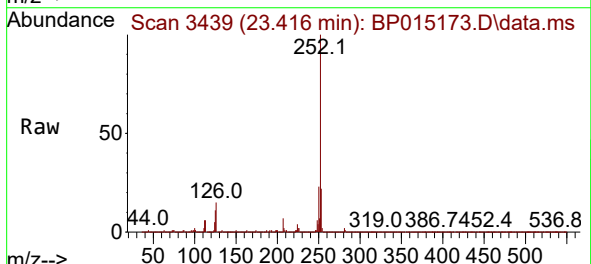
Instrument :
BNA_P
ClientSampleId :
SLCS814

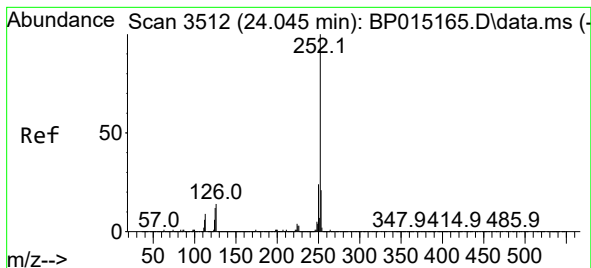
Tgt Ion:252 Resp: 4024025
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 10.5 8.3 12.5



#91
Benzo(k)fluoranthene
Concen: 35.930 ng/ul
RT: 23.416 min Scan# 3439
Delta R.T. -0.006 min
Lab File: BP015173.D
Acq: 19 May 2023 15:21

Tgt Ion:252 Resp: 3791648
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.7 8.5 12.7





#93

Benzo(a)pyrene

Concen: 34.309 ng/ul

RT: 24.039 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

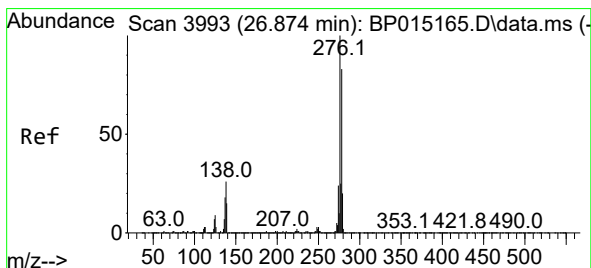
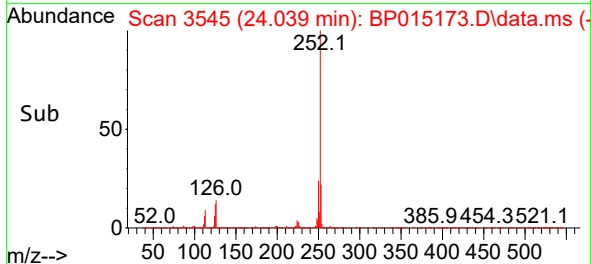
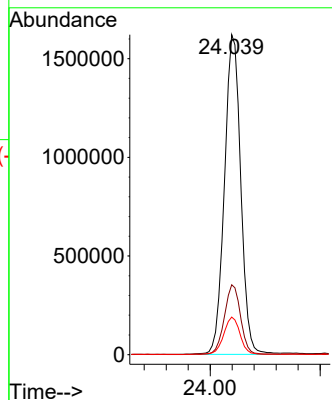
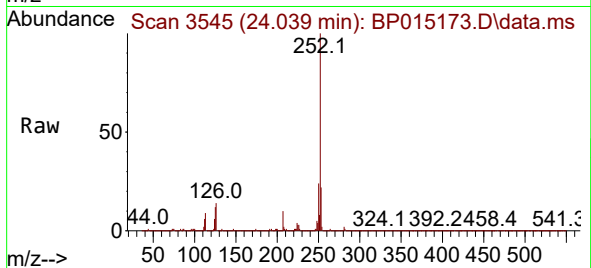
Tgt Ion:252 Resp: 3332842

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 11.8 9.1 13.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 30.335 ng/ul

RT: 26.874 min Scan# 4027

Delta R.T. 0.006 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

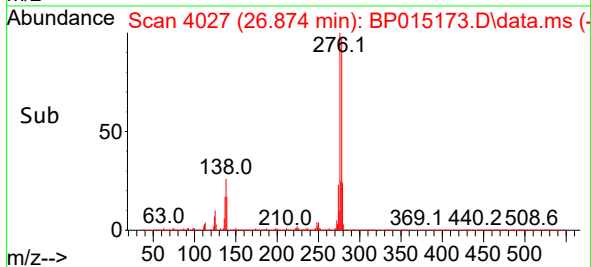
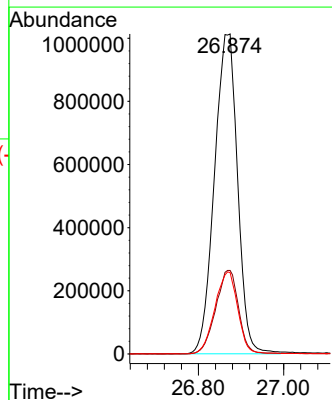
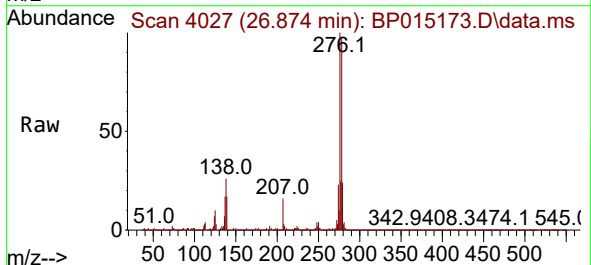
Tgt Ion:276 Resp: 3815539

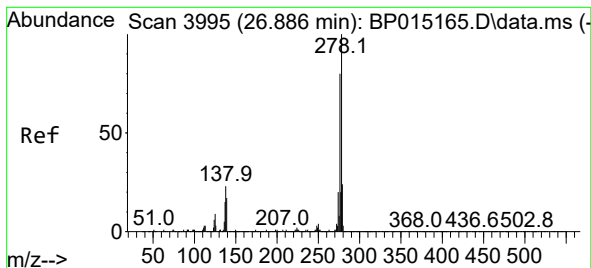
Ion Ratio Lower Upper

276 100

138 26.1 20.1 30.1

277 25.5 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 30.847 ng/ul

RT: 26.886 min Scan# 4029

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Instrument :

BNA_P

ClientSampleId :

SLCS814

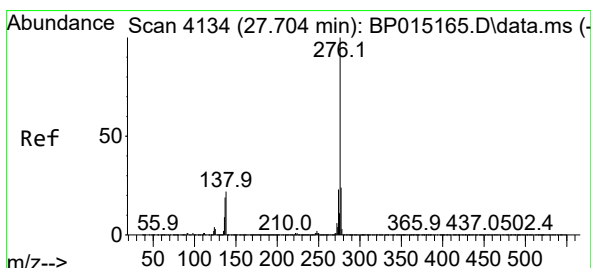
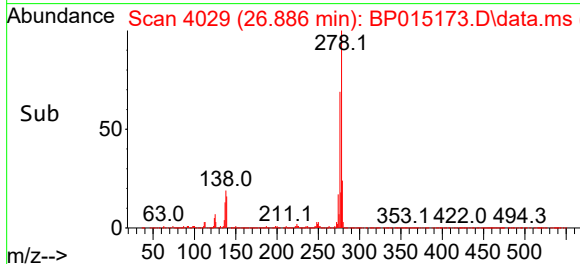
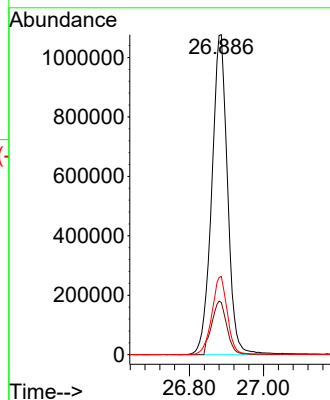
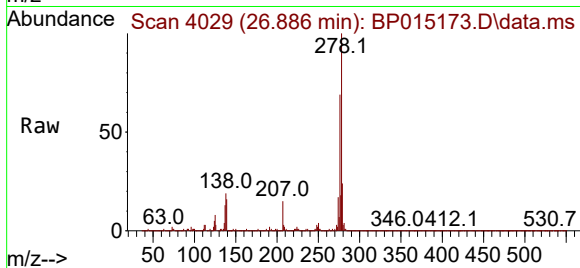
Tgt Ion:278 Resp: 3185003

Ion Ratio Lower Upper

278 100

139 16.3 13.3 19.9

279 24.4 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 29.385 ng/ul

RT: 27.704 min Scan# 4168

Delta R.T. 0.000 min

Lab File: BP015173.D

Acq: 19 May 2023 15:21

Tgt Ion:276 Resp: 3013900

Ion Ratio Lower Upper

276 100

138 21.6 17.7 26.5

277 23.8 18.8 28.2

