

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070823\
 Data File : BP016133.D
 Acq On : 09 Jul 2023 15:06
 Operator : MA/JU
 Sample : 03356-11MSD
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 09 22:42:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 08 10:11:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	344790	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.828	136	1494530	20.000	ng/u1	#-0.02
38) Acenaphthene-d10	14.657	164	916366	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.428	188	1857250	20.000	ng/u1	#-0.02
79) Chrysene-d12	21.527	240	1312933	20.000	ng/u1	-0.01
88) Perylene-d12	24.074	264	1277089	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	40897	4.268	ng/uL	0.00
4) Pyridine-d5	3.793	84	533174	22.071	ng/u1	-0.01
7) Phenol-d5	7.193	99	814091	27.596	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.340	67	533800	29.247	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.540	132	605401	27.186	ng/u1	-0.02
15) 4-Methylphenol-d8	8.746	113	640668	27.490	ng/u1	-0.02
21) Nitrobenzene-d5	9.199	128	305068	26.709	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.928	143	343473	25.766	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.481	165	613009	25.805	ng/u1	-0.02
31) 4-Chloroaniline-d4	11.004	131	776966	25.461	ng/u1	-0.02
46) Dimethylphthalate-d6	14.075	166	1801107	25.429	ng/u1	-0.01
49) Acenaphthylene-d8	14.357	160	2091067	26.263	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.945	143	130797	13.994	ng/u1	-0.02
60) Fluorene-d10	15.657	176	1497346	25.675	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.834	200	233744	20.464	ng/u1	-0.02
73) Anthracene-d10	17.528	188	2188866	25.801	ng/u1	-0.02
81) Pyrene-d10	19.763	212	2301330	26.843	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.898	264	1695622	26.320	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.381	88	98936	9.593	ng/uL	98
5) Pyridine	3.811	79	626883	24.806	ng/u1	97
6) Benzaldehyde	7.163	77	472113	39.583	ng/u1	97
8) Phenol	7.222	94	871208	28.458	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.434	93	709211	29.117	ng/u1	99
12) 2-Chlorophenol	7.575	128	644756	27.252	ng/u1	98
13) 2-Methylphenol	8.475	108	655401	28.355	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.546	45	1088105	32.707	ng/u1	99
16) Acetophenone	8.857	105	1067304	27.860	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.834	70	602651	28.323	ng/u1	99
18) 4-Methylphenol	8.816	108	715141	28.796	ng/u1	100
19) Hexachloroethane	9.075	117	285585	26.136	ng/u1	88
22) Nitrobenzene	9.240	77	875022	27.281	ng/u1	99
23) Isophorone	9.769	82	1680587	27.380	ng/u1	99
25) 2-Nitrophenol	9.963	139	383478	27.106	ng/u1	92
26) 2,4-Dimethylphenol	10.016	107	800320	25.733	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.240	93	1008232	29.098	ng/u1	98
29) 2,4-Dichlorophenol	10.510	162	622316	26.350	ng/u1	98
30) Naphthalene	10.881	128	2147112	26.427	ng/u1	99
32) 4-Chloroaniline	11.028	127	724736	22.859	ng/u1	98
33) Hexachlorobutadiene	11.140	225	402961	22.594	ng/u1	99
34) Caprolactam	11.846	113	205522	28.450	ng/u1	91
35) 4-Chloro-3-methylphenol	12.163	107	726901	26.295	ng/u1	98
36) 2-Methylnaphthalene	12.493	142	1405621	26.281	ng/u1	99

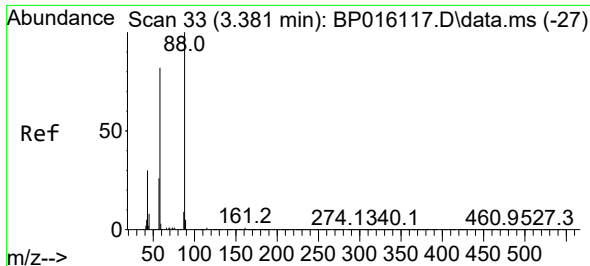
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070823\
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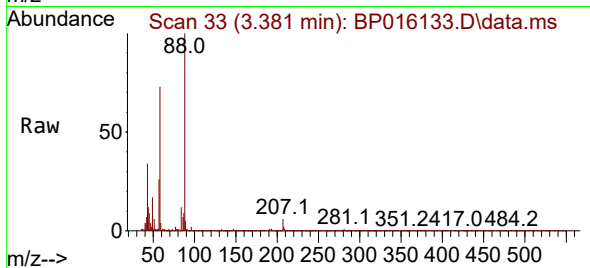
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	1418697	26.002	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.863	216	752782	24.929	ng/ul	98
40) Hexachlorocyclopentadiene	12.810	237	224442	24.844	ng/ul	98
41) 2,4,6-Trichlorophenol	13.122	196	486873	25.512	ng/ul	99
42) 2,4,5-Trichlorophenol	13.210	196	514107	25.398	ng/ul	98
43) 1,1'-Biphenyl	13.493	154	1891837	26.065	ng/ul	97
44) 2-Chloronaphthalene	13.545	162	1489309	26.047	ng/ul	98
45) 2-Nitroaniline	13.787	65	509476	28.318	ng/ul	94
47) Dimethylphthalate	14.122	163	1870337	25.516	ng/ul	99
48) 2,6-Dinitrotoluene	14.275	165	394715	26.547	ng/ul	98
50) Acenaphthylene	14.387	152	2298271	26.197	ng/ul	99
51) 3-Nitroaniline	14.622	138	360664	30.932	ng/ul	91
52) Acenaphthene	14.728	153	1586013	26.070	ng/ul	97
53) 2,4-Dinitrophenol	14.869	184	177995	22.564	ng/ul	88
55) 4-Nitrophenol	14.981	109	268643	27.736	ng/ul#	45
56) Dibenzofuran	15.069	168	2147594	25.430	ng/ul	98
57) 2,4-Dinitrotoluene	15.081	165	531765	26.244	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.310	232	421067	24.218	ng/ul	99
59) Diethylphthalate	15.475	149	1907217	25.712	ng/ul	99
61) Fluorene	15.716	166	1747481	25.511	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.698	204	854360	24.375	ng/ul	98
63) 4-Nitroaniline	15.804	138	306676	38.430	ng/ul	85
66) 4,6-Dinitro-2-methylph...	15.851	198	287459	24.874	ng/ul	98
67) N-Nitrosodiphenylamine	15.928	169	1476727	26.560	ng/ul	98
68) 4-Bromophenyl-phenylether	16.598	248	526354	24.818	ng/ul	92
69) Hexachlorobenzene	16.728	284	604469	24.155	ng/ul	98
70) Atrazine	16.886	200	400935	18.838	ng/ul	98
71) Pentachlorophenol	17.098	266	263242	21.917	ng/ul	96
72) Phenanthrene	17.469	178	2612574	25.894	ng/ul	100
74) Anthracene	17.569	178	2616789	25.811	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.463	216	775625	25.665	ng/ul	99
76) Pentachlorobenzene	14.987	250	1679243	55.055	ng/ul	99
77) Carbazole	17.857	167	2296285	26.873	ng/ul	99
78) Di-n-butylphthalate	18.357	149	3223807	28.458	ng/ul	99
80) Fluoranthene	19.439	202	2829393	26.555	ng/ul#	95
82) Pyrene	19.792	202	2884395	26.539	ng/ul#	89
83) Butylbenzylphthalate	20.639	149	1290256	29.098	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.445	252	719401	24.239	ng/ul	98
85) Benzo(a)anthracene	21.510	228	2320546	25.125	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.380	149	1770115	29.048	ng/ul	99
87) Chrysene	21.569	228	2355700	26.884	ng/ul	99
89) Di-n-octyl phthalate	22.333	149	2671397	28.623	ng/ul	100
90) Benzo(b)fluoranthene	23.280	252	2120805	25.845	ng/ul	98
91) Benzo(k)fluoranthene	23.327	252	2076181	25.042	ng/ul#	98
93) Benzo(a)pyrene	23.957	252	1868099	26.054	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	26.751	276	2347395	24.116	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.751	278	1923005	24.052	ng/ul#	95
96) Benzo(g,h,i)perylene	27.598	276	1923495	24.021	ng/ul#	96

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

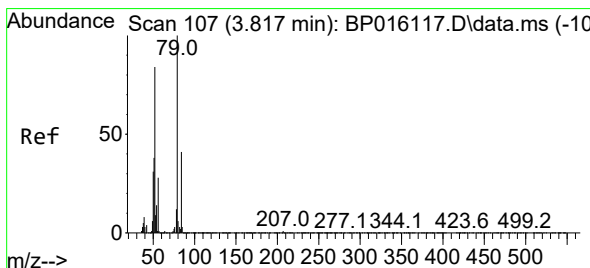
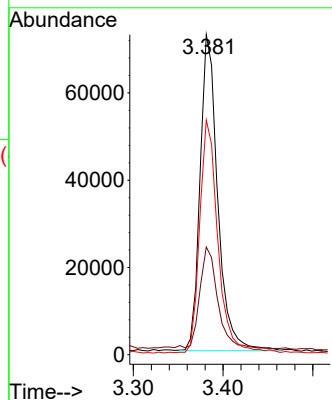
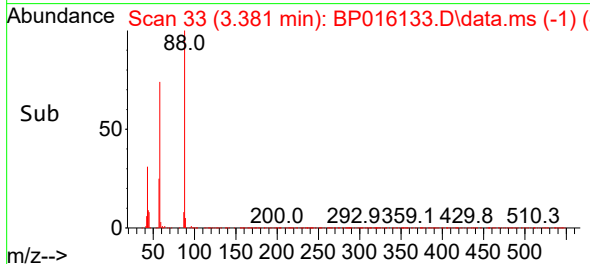


#2
1,4-Dioxane
Concen: 9.593 ng/uL
RT: 3.381 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP016133.D
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Instrument :
BNA_P
ClientSampleId :

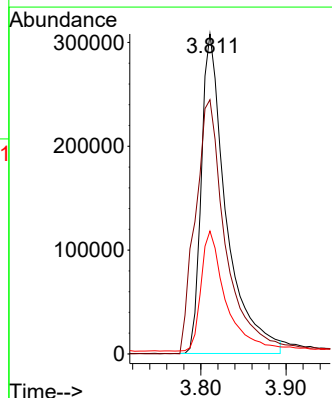
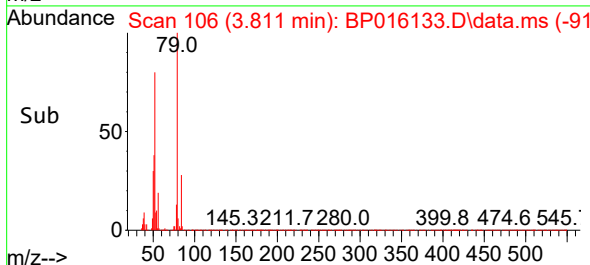
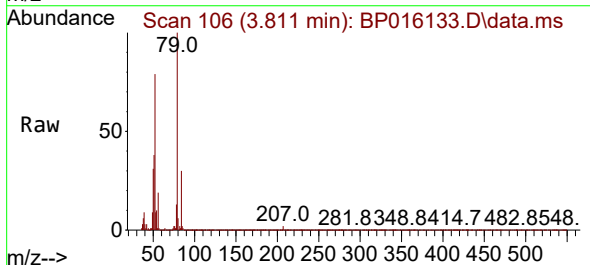


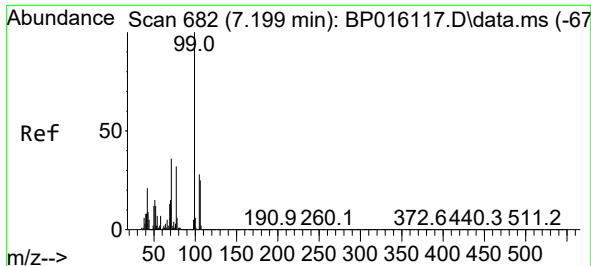
Tgt Ion: 88 Resp: 98936
Ion Ratio Lower Upper
88 100
43 33.7 27.4 41.2
58 73.4 59.8 89.8



#5
Pyridine
Concen: 24.806 ng/uL
RT: 3.811 min Scan# 106
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion: 79 Resp: 626883
Ion Ratio Lower Upper
79 100
52 79.5 65.5 98.3
51 38.4 31.8 47.8

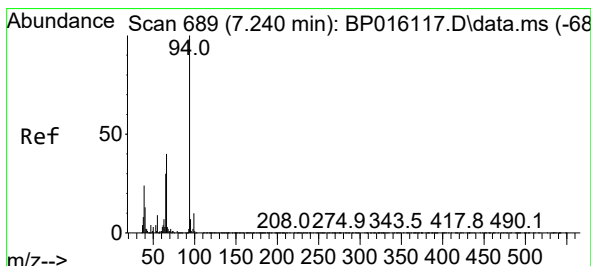
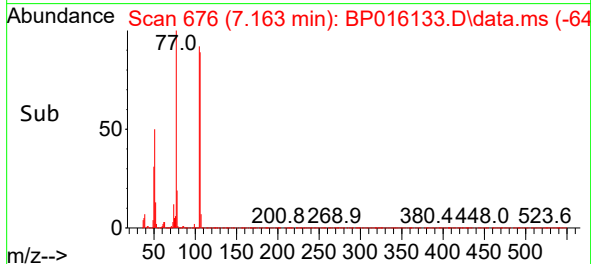
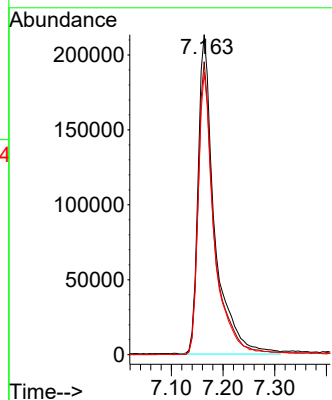
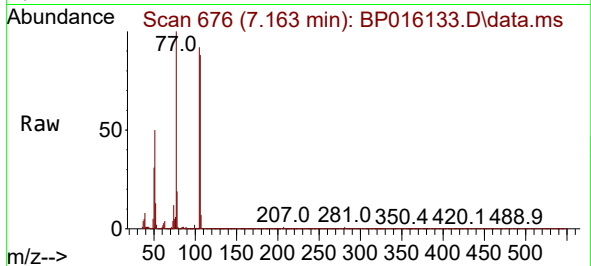




#6
Benzaldehyde
Concen: 39.583 ng/ul
RT: 7.163 min Scan# 61
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

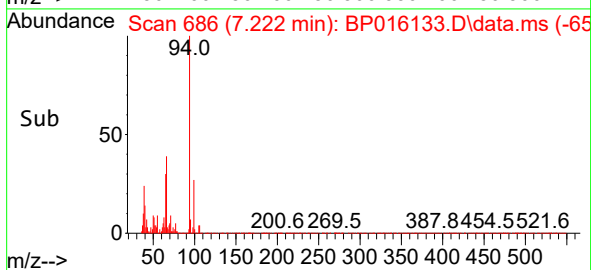
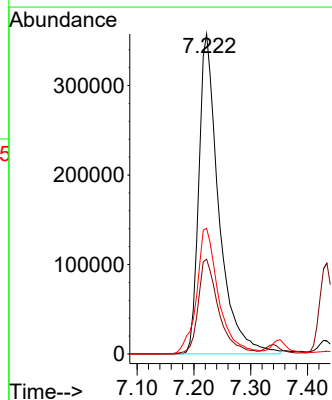
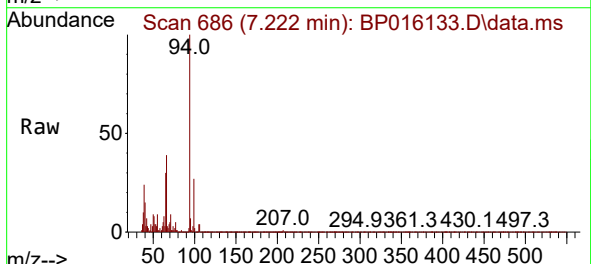
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BNA_P
ClientSampleId :

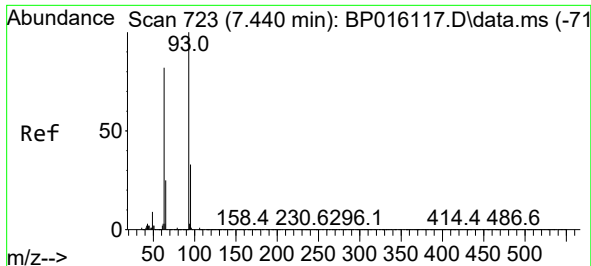
Tgt Ion: 77 Resp: 472113
Ion Ratio Lower Upper
77 100
105 91.6 73.4 110.0
106 88.2 66.6 100.0



#8
Phenol
Concen: 28.458 ng/ul
RT: 7.222 min Scan# 686
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

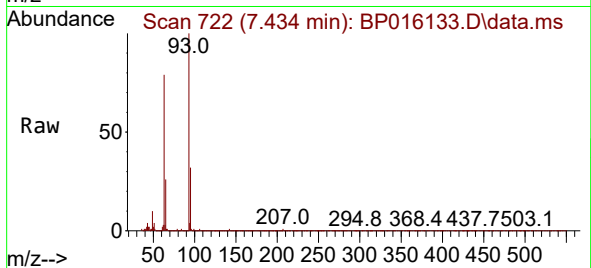
Tgt Ion: 94 Resp: 871208
Ion Ratio Lower Upper
94 100
65 29.6 26.4 39.6
66 39.2 37.3 55.9



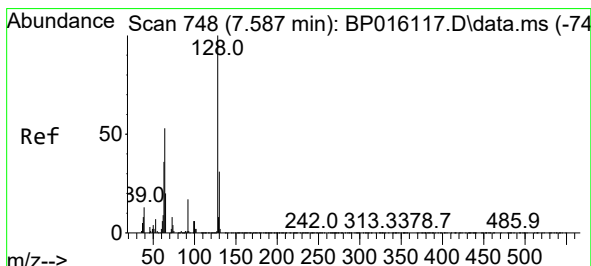
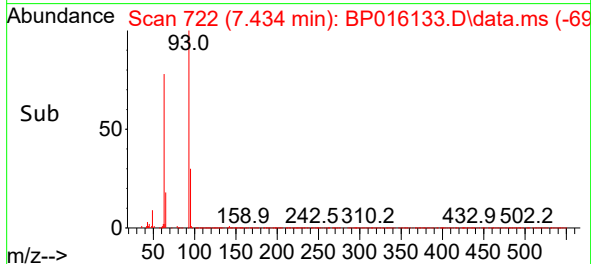
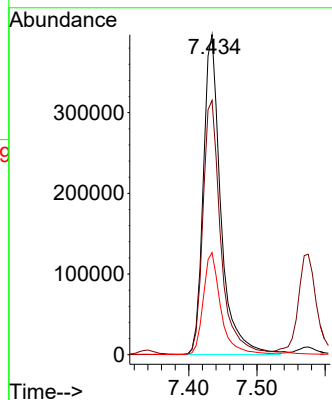


#10
Bis(2-Chloroethyl)ether
Concen: 29.117 ng/ul
RT: 7.434 min Scan# 71
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Instrument :
BNA_P
ClientSampleId :

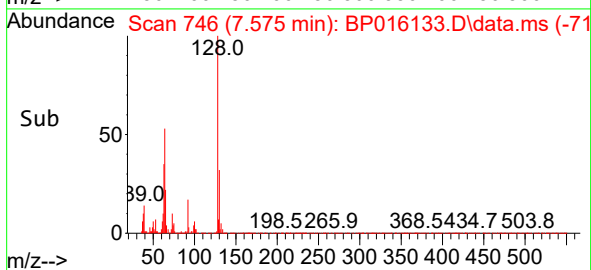
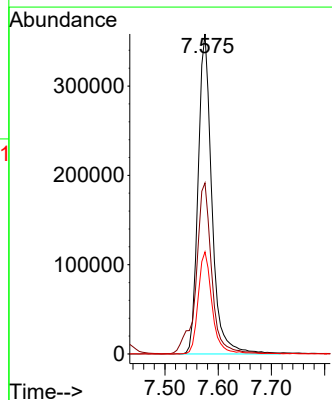
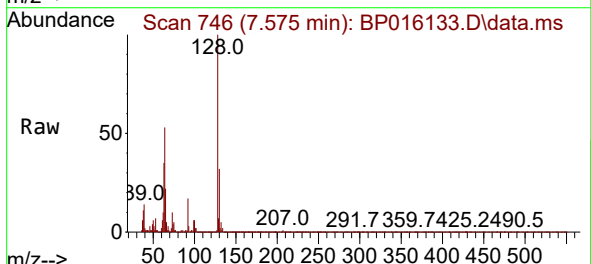


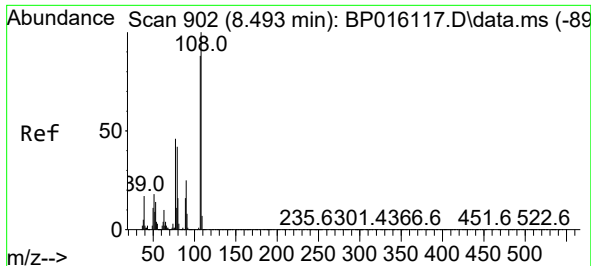
Tgt Ion: 93 Resp: 709211
Ion Ratio Lower Upper
93 100
63 79.4 62.8 94.2
95 31.9 25.6 38.4



#12
2-Chlorophenol
Concen: 27.252 ng/ul
RT: 7.575 min Scan# 746
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:128 Resp: 644756
Ion Ratio Lower Upper
128 100
64 53.5 41.2 61.8
130 31.9 26.0 39.0





#13

2-Methylphenol

Concen: 28.355 ng/ul

RT: 8.475 min Scan# 899

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

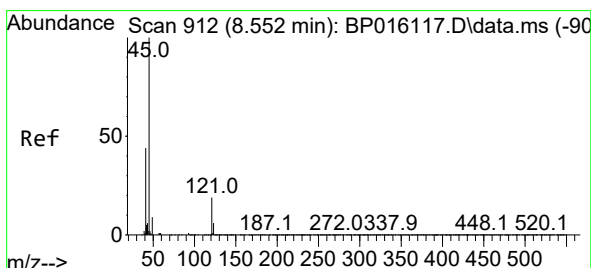
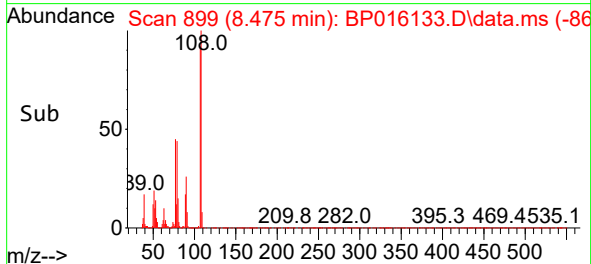
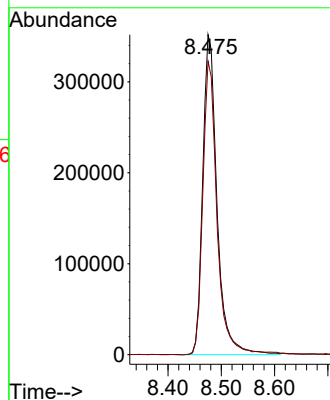
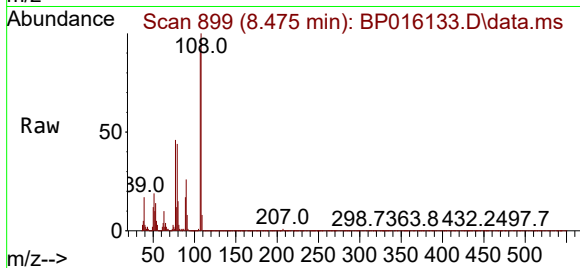
ClientSampleId :

Tgt Ion:108 Resp: 655401

Ion Ratio Lower Upper

108 100

107 91.7 73.8 110.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 32.707 ng/ul

RT: 8.546 min Scan# 911

Delta R.T. -0.018 min

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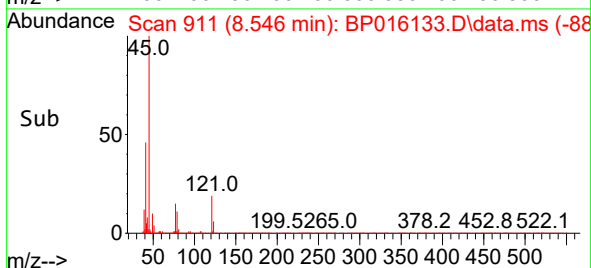
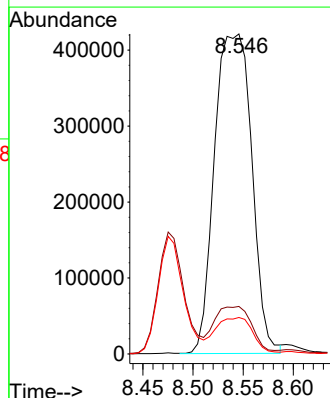
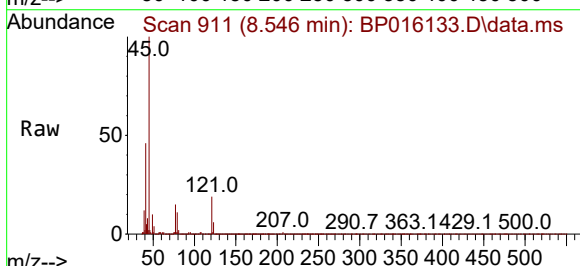
Tgt Ion: 45 Resp: 1088105

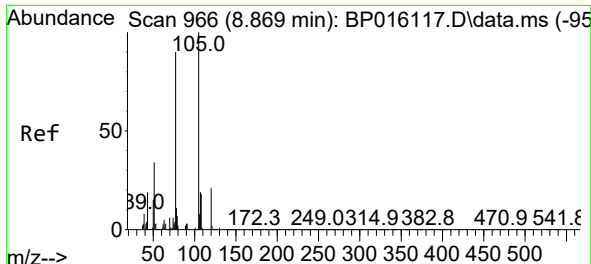
Ion Ratio Lower Upper

45 100

77 14.8 12.4 18.6

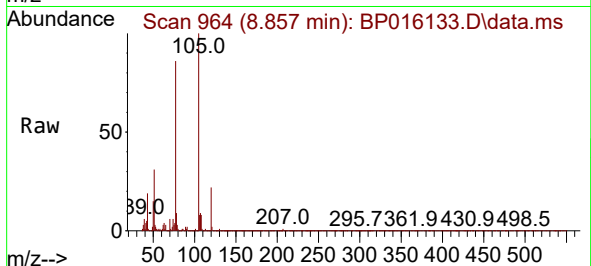
79 11.4 9.3 13.9



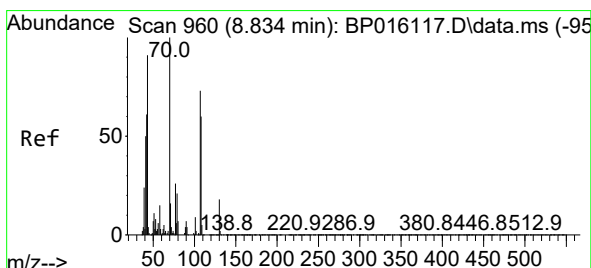
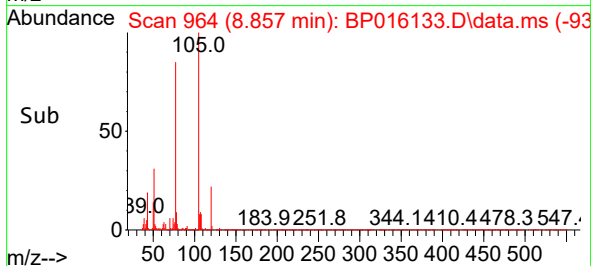
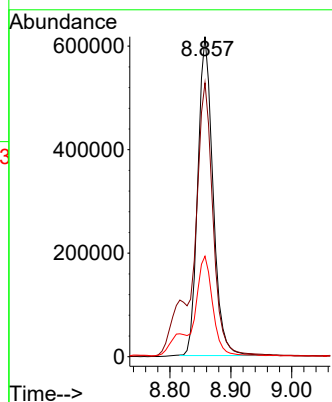


#16
Acetophenone
Concen: 27.860 ng/ul
RT: 8.857 min Scan# 90
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Instrument :
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ClientSampleId :

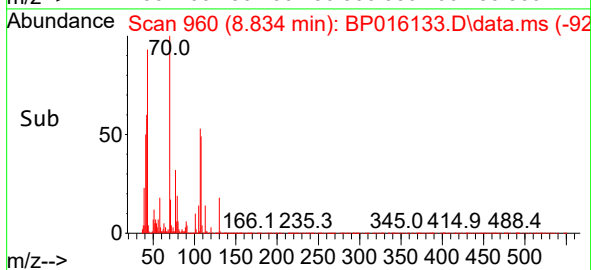
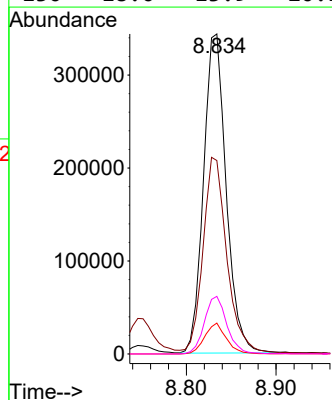
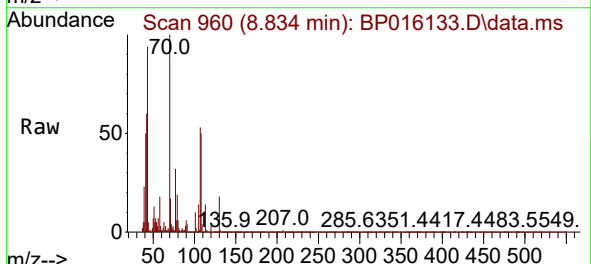


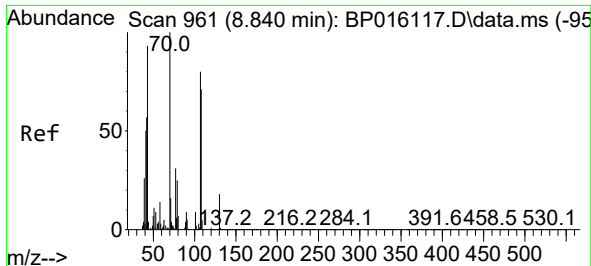
Tgt Ion:105 Resp: 1067304
Ion Ratio Lower Upper
105 100
77 85.6 65.0 97.4
51 31.4 25.1 37.7



#17
N-Nitroso-di-n-propylamine
Concen: 28.323 ng/ul
RT: 8.834 min Scan# 960
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion: 70 Resp: 602651
Ion Ratio Lower Upper
70 100
42 60.4 48.2 72.2
101 9.7 7.6 11.4
130 18.0 13.9 20.9

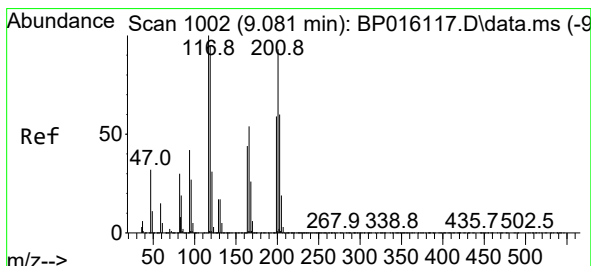
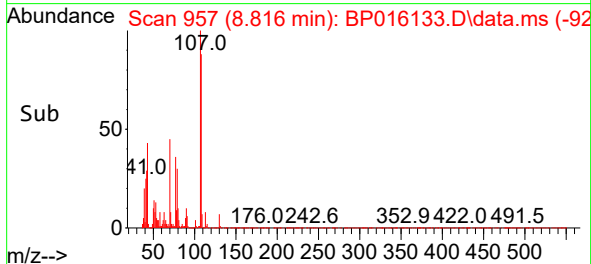
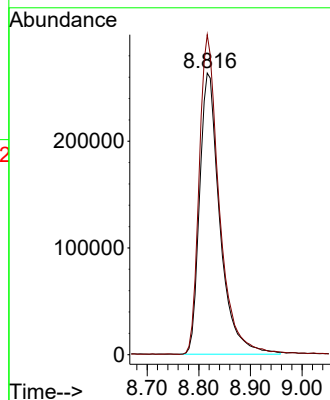
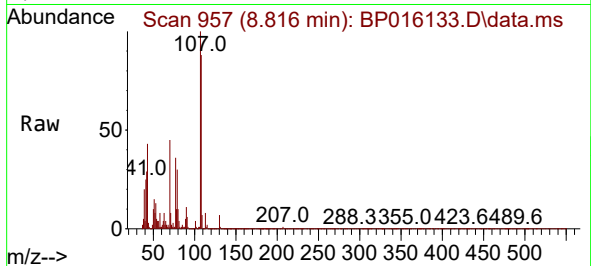




#18
4-Methylphenol
Concen: 28.796 ng/ul
RT: 8.816 min Scan# 91
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

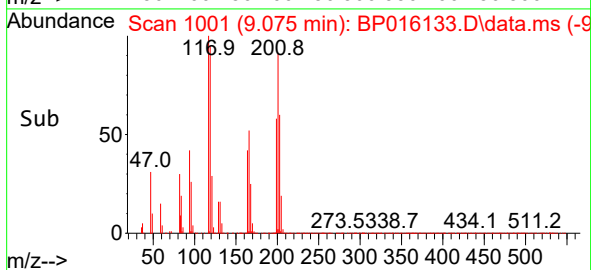
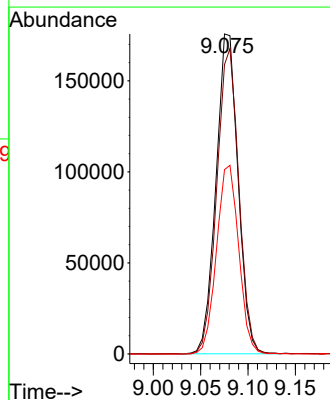
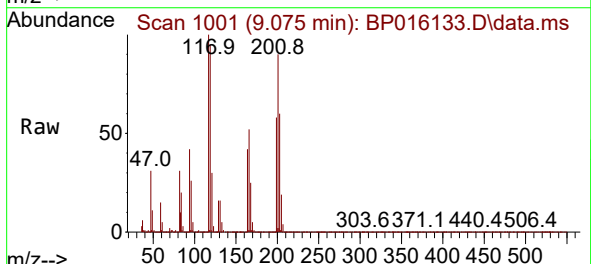
Instrument :
BNA_P
ClientSampleId :

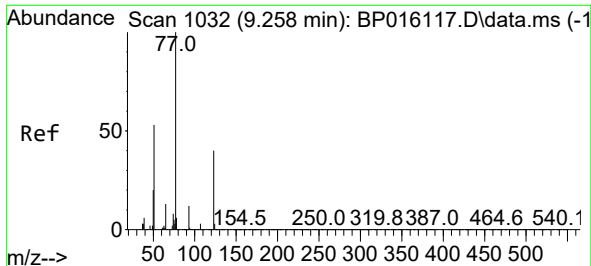
Tgt Ion:108 Resp: 715141
Ion Ratio Lower Upper
108 100
107 113.6 91.3 136.9



#19
Hexachloroethane
Concen: 26.136 ng/ul
RT: 9.075 min Scan# 1001
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:117 Resp: 285585
Ion Ratio Lower Upper
117 100
201 90.5 84.2 126.2
199 57.6 51.8 77.8

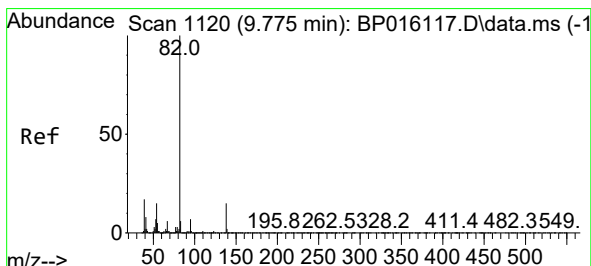
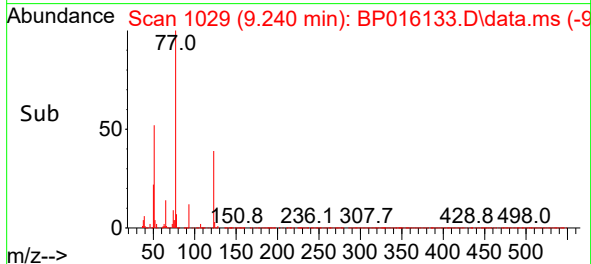
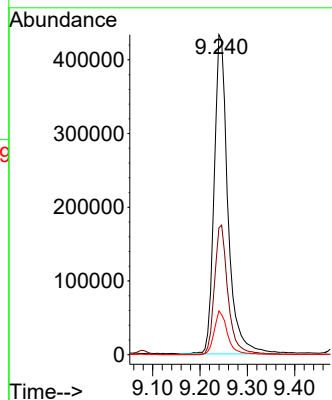
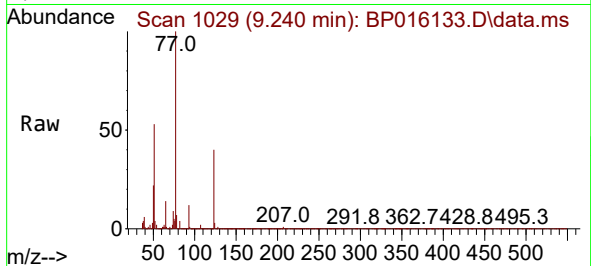




#22
Nitrobenzene
Concen: 27.281 ng/ul
RT: 9.240 min Scan# 1119
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

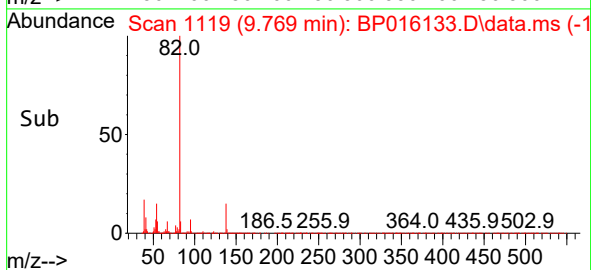
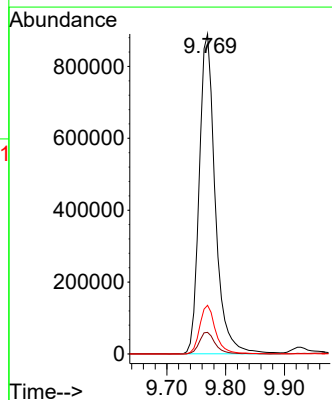
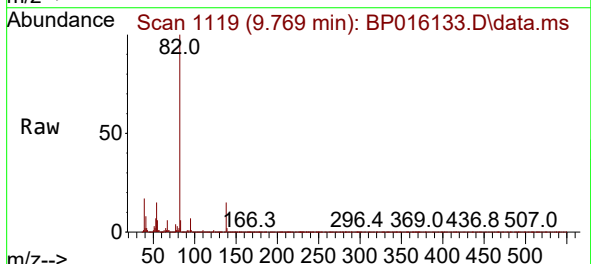
Instrument :
BNA_P
ClientSampleId :

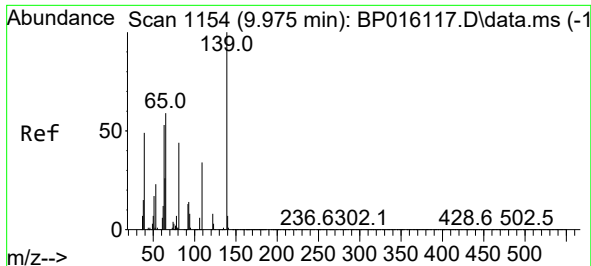
Tgt Ion: 77 Resp: 875022
Ion Ratio Lower Upper
77 100
123 39.6 31.0 46.4
65 13.6 11.3 16.9



#23
Isophorone
Concen: 27.380 ng/ul
RT: 9.769 min Scan# 1119
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion: 82 Resp: 1680587
Ion Ratio Lower Upper
82 100
95 6.7 6.3 9.5
138 15.2 12.3 18.5

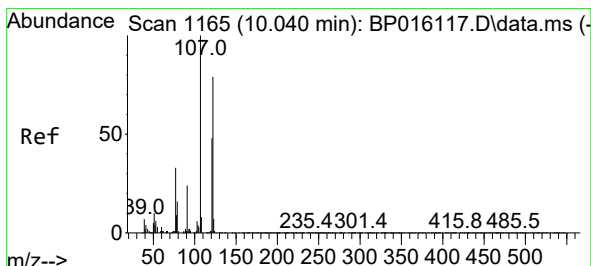
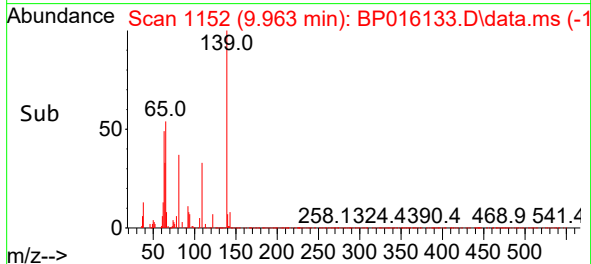
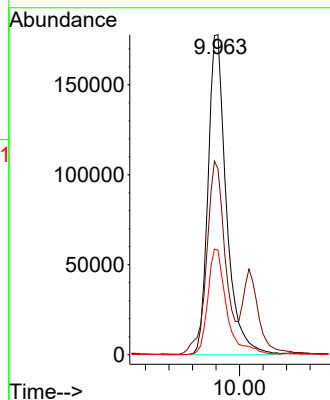
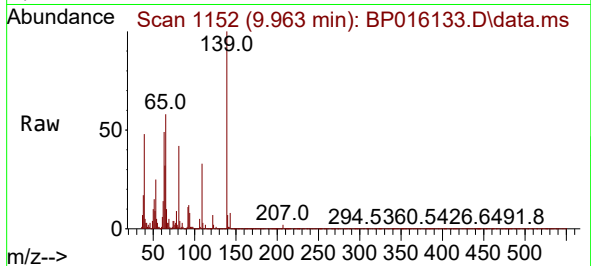




#25
2-Nitrophenol
Concen: 27.106 ng/ul
RT: 9.963 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

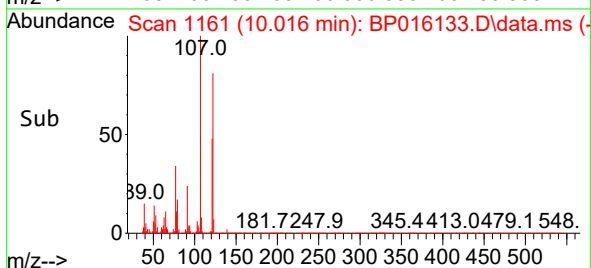
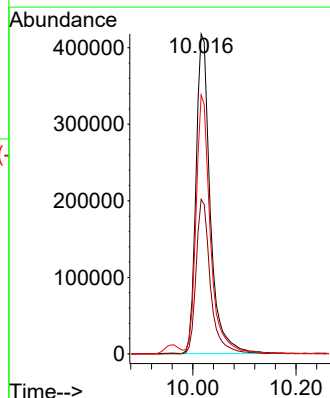
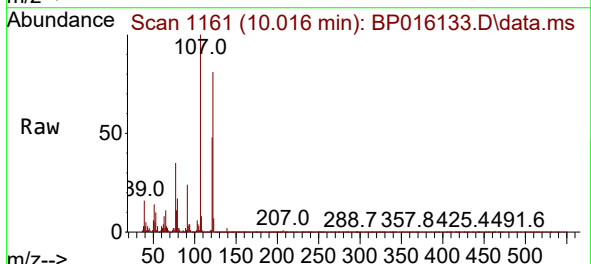
Instrument :
BNA_P
ClientSampleId :

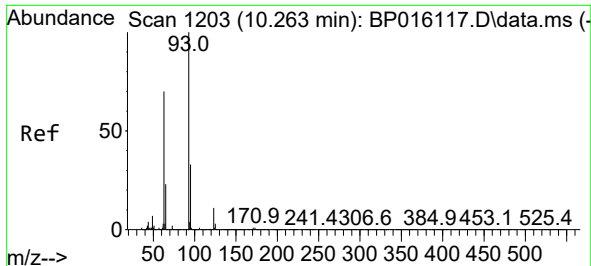
Tgt Ion:139 Resp: 383478
Ion Ratio Lower Upper
139 100
65 58.1 50.2 75.2
109 32.7 31.3 46.9



#26
2,4-Dimethylphenol
Concen: 25.733 ng/ul
RT: 10.016 min Scan# 1161
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:107 Resp: 800320
Ion Ratio Lower Upper
107 100
121 48.3 38.2 57.2
122 80.9 62.1 93.1

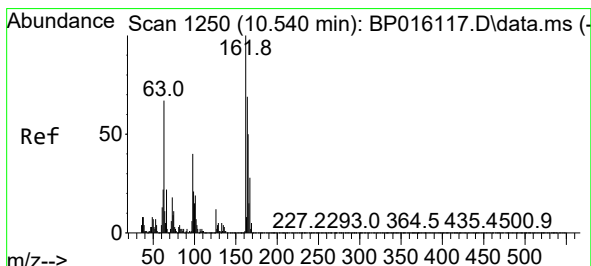
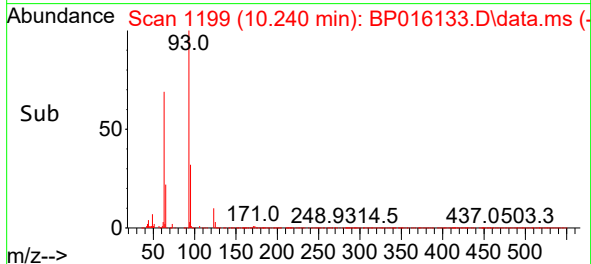
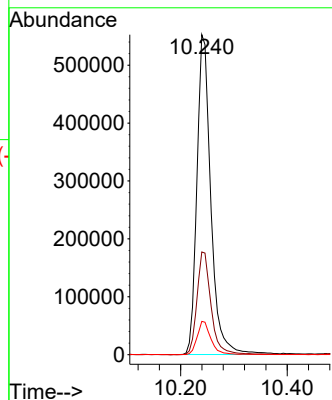
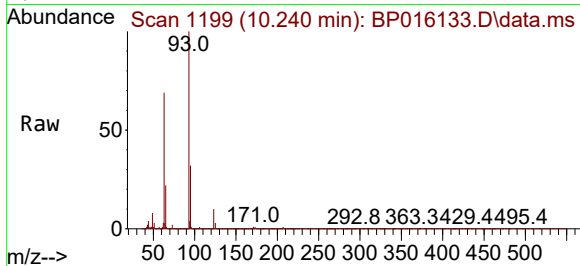




#27
Bis(2-Chloroethoxy)methane
Concen: 29.098 ng/ul
RT: 10.240 min Scan# 1199
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

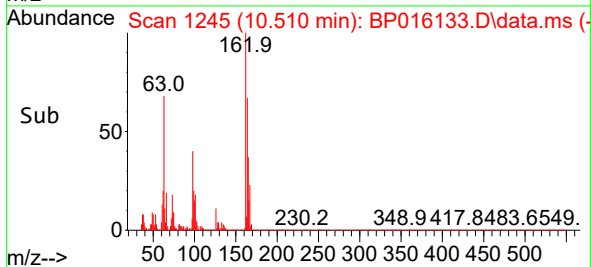
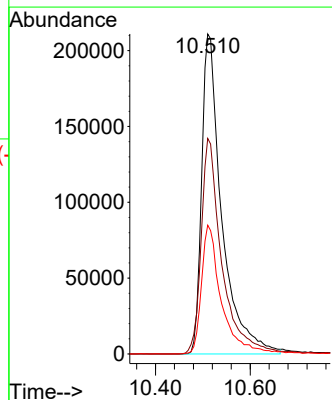
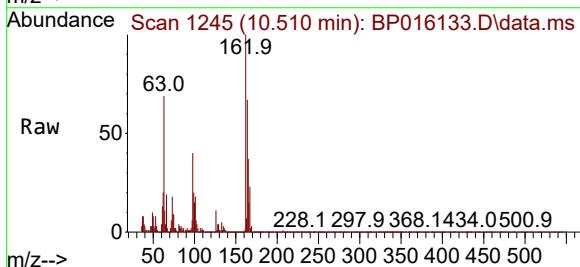
Instrument :
BNA_P
ClientSampleId :

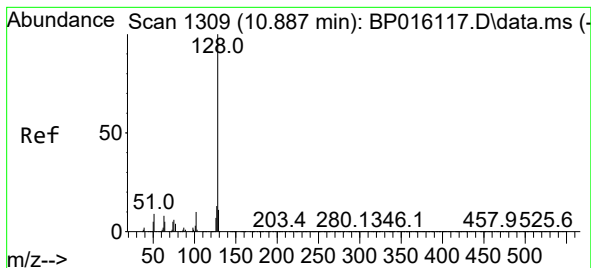
Tgt Ion: 93 Resp: 1008232
Ion Ratio Lower Upper
93 100
95 32.1 26.6 39.8
123 10.4 8.6 13.0



#29
2,4-Dichlorophenol
Concen: 26.350 ng/ul
RT: 10.510 min Scan# 1245
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:162 Resp: 622316
Ion Ratio Lower Upper
162 100
164 67.3 53.0 79.6
98 40.2 31.3 46.9

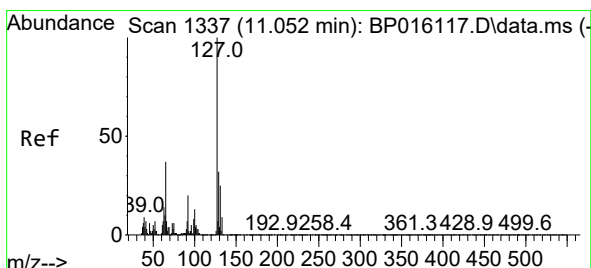
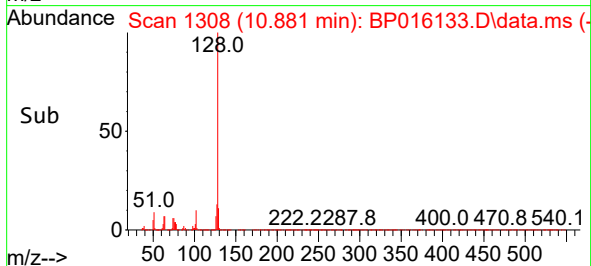
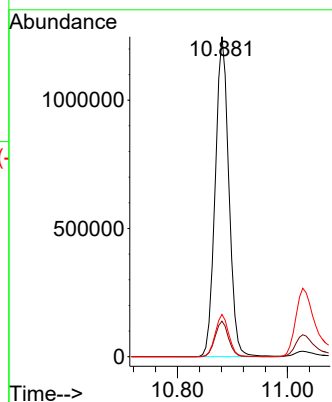
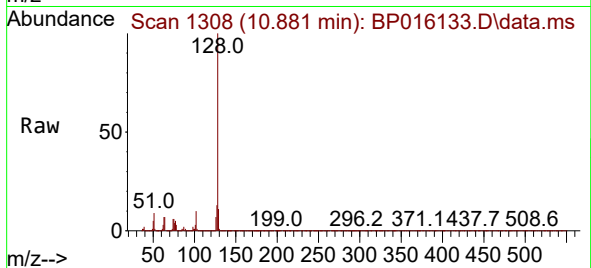




#30
Naphthalene
Concen: 26.427 ng/ul
RT: 10.881 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

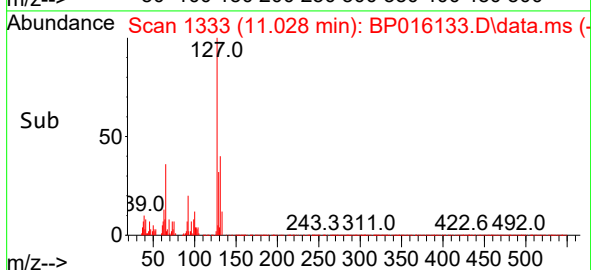
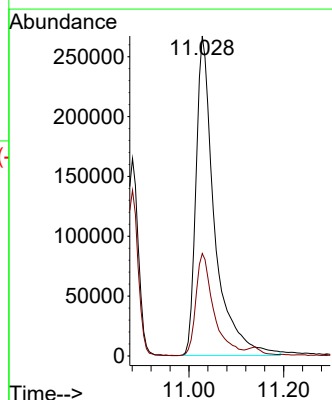
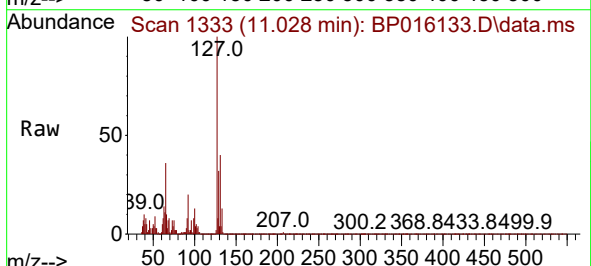
Instrument :
BNA_P
ClientSampleId :

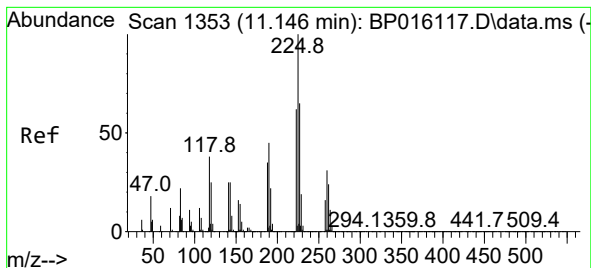
Tgt Ion:128 Resp: 2147112
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.2 10.3 15.5



#32
4-Chloroaniline
Concen: 22.859 ng/ul
RT: 11.028 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:127 Resp: 724736
Ion Ratio Lower Upper
127 100
129 32.0 24.7 37.1





#33

Hexachlorobutadiene

Concen: 22.594 ng/ul

RT: 11.140 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

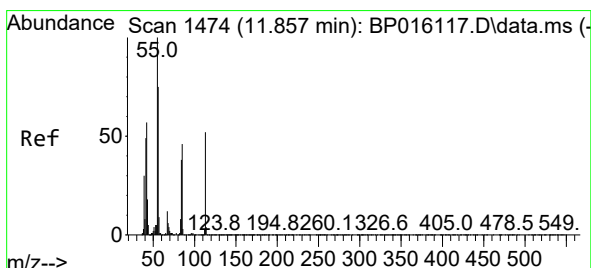
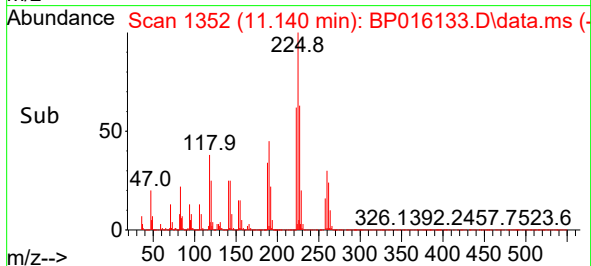
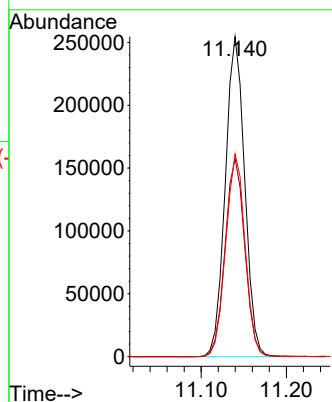
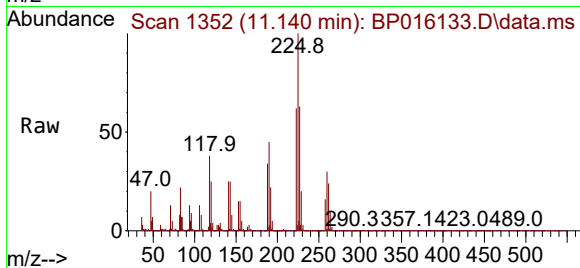
Tgt Ion:225 Resp: 402961

Ion Ratio Lower Upper

225 100

223 61.9 50.4 75.6

227 63.3 51.0 76.4



#34

Caprolactam

Concen: 28.450 ng/ul

RT: 11.846 min Scan# 1472

Delta R.T. -0.029 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

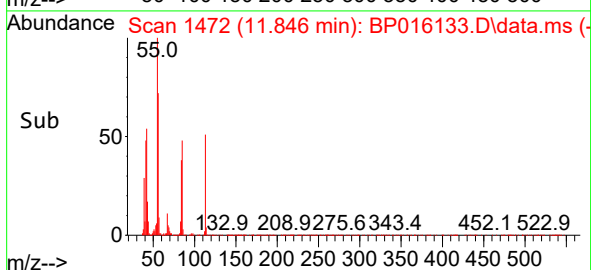
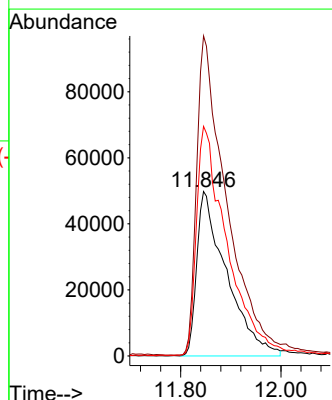
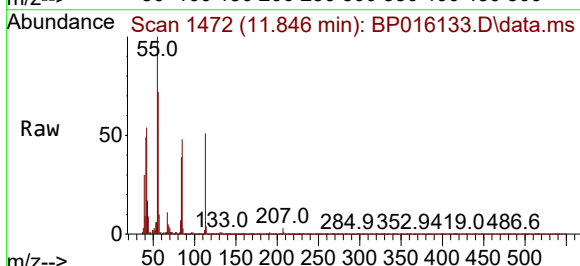
Tgt Ion:113 Resp: 205522

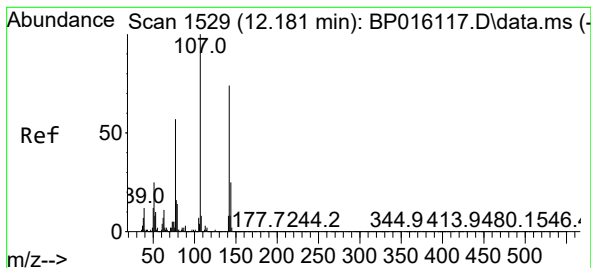
Ion Ratio Lower Upper

113 100

55 194.6 142.8 214.2

56 139.6 116.9 175.3

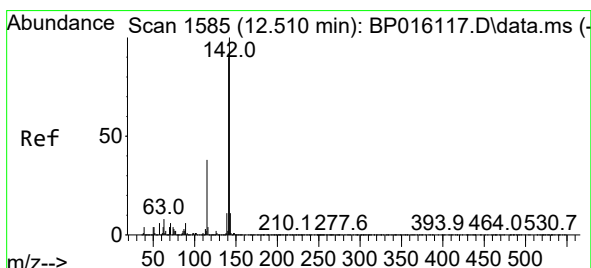
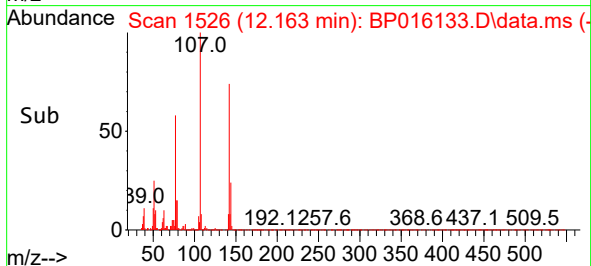
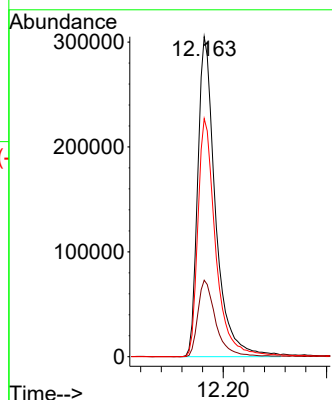
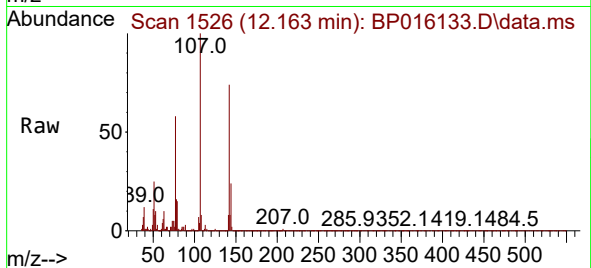




#35
4-Chloro-3-methylphenol
Concen: 26.295 ng/ul
RT: 12.163 min Scan# 1526
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

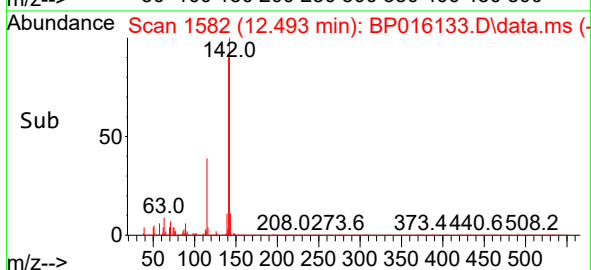
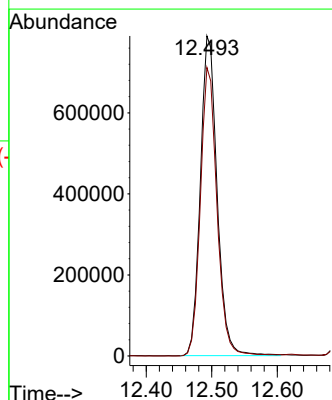
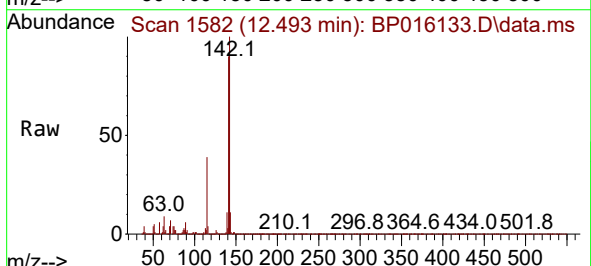
Instrument :
BNA_P
ClientSampleId :

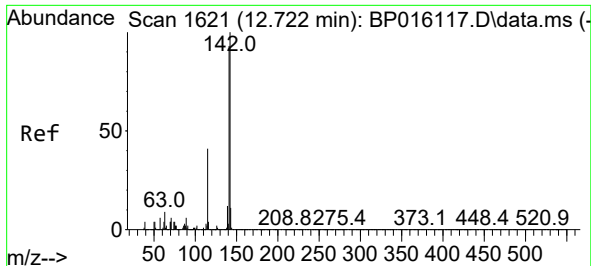
Tgt Ion:107 Resp: 726901
Ion Ratio Lower Upper
107 100
144 23.9 18.4 27.6
142 74.4 58.6 87.8



#36
2-Methylnaphthalene
Concen: 26.281 ng/ul
RT: 12.493 min Scan# 1582
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:142 Resp: 1405621
Ion Ratio Lower Upper
142 100
141 90.2 73.2 109.8

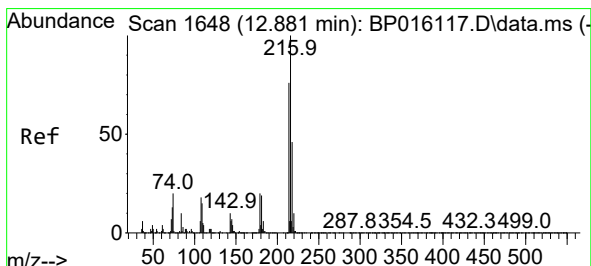
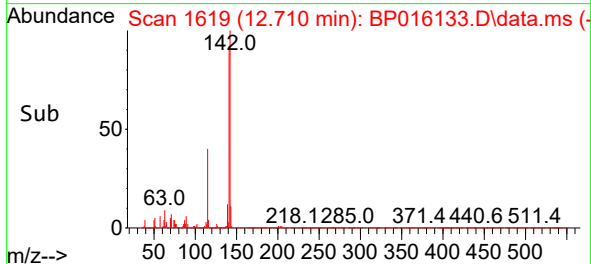
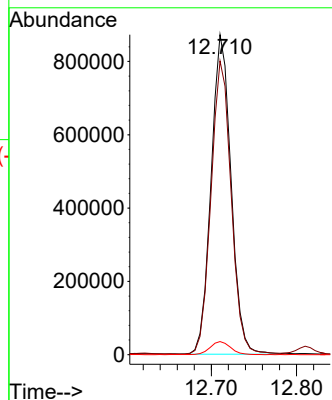
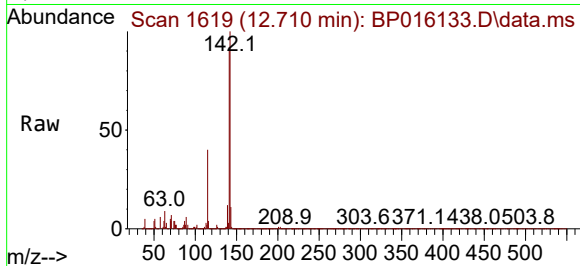




#37
1-Methylnaphthalene
Concen: 26.002 ng/ul
RT: 12.710 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

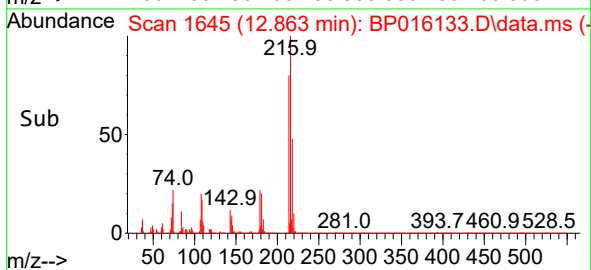
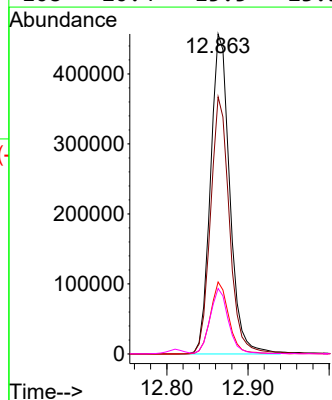
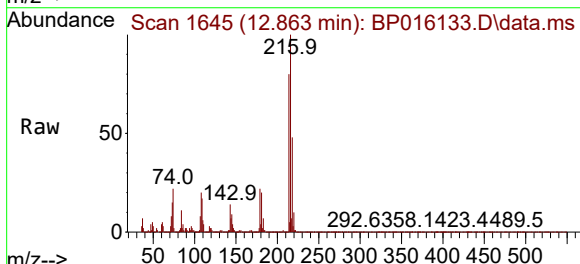
Instrument :
BNA_P
ClientSampleId :

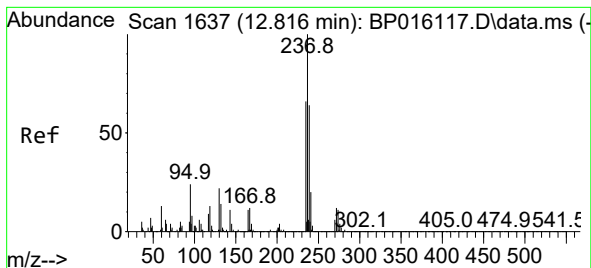
Tgt Ion:142 Resp: 1418697
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.1 4.0 6.0



#39
1,2,4,5-Tetrachlorobenzene
Concen: 24.929 ng/ul
RT: 12.863 min Scan# 1645
Delta R.T. -0.024 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:216 Resp: 752782
Ion Ratio Lower Upper
216 100
214 80.4 62.4 93.6
179 22.5 17.6 26.4
108 20.4 15.5 23.3





#40

Hexachlorocyclopentadiene

Concen: 24.844 ng/ul

RT: 12.810 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

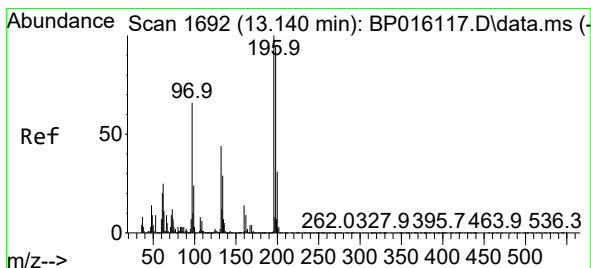
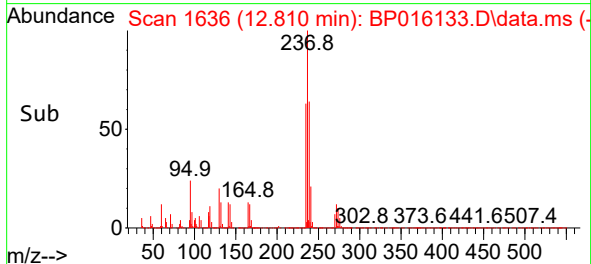
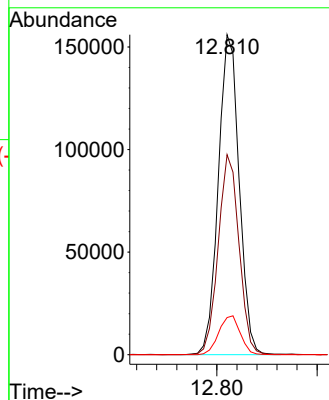
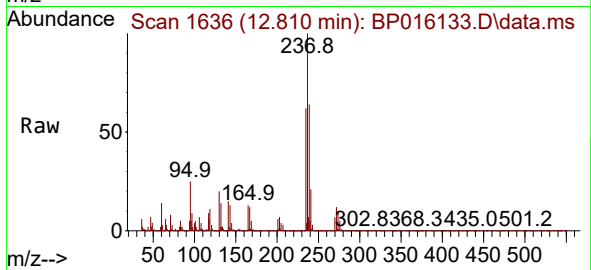
Tgt Ion:237 Resp: 224442

Ion Ratio Lower Upper

237 100

235 62.5 48.6 73.0

272 11.6 10.5 15.7



#41

2,4,6-Trichlorophenol

Concen: 25.512 ng/ul

RT: 13.122 min Scan# 1689

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

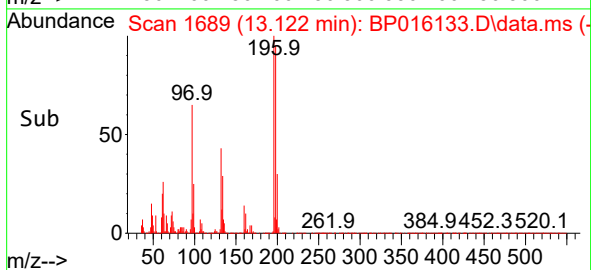
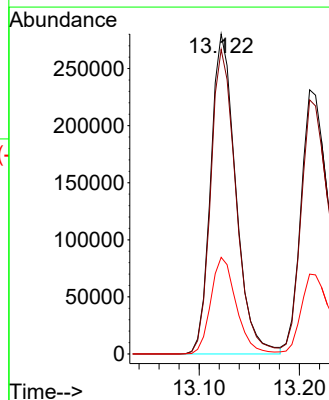
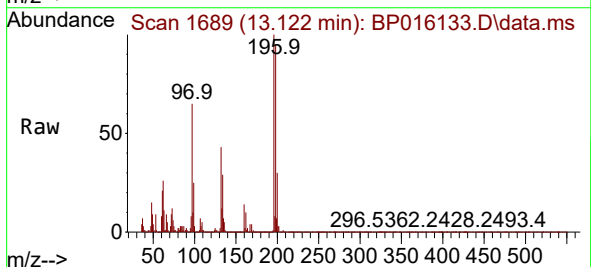
Tgt Ion:196 Resp: 486873

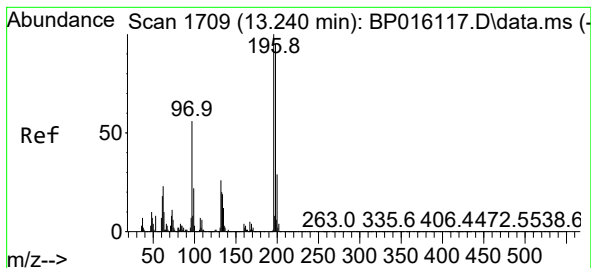
Ion Ratio Lower Upper

196 100

198 95.1 75.4 113.2

200 30.2 23.6 35.4





#42

2,4,5-Trichlorophenol

Concen: 25.398 ng/ul

RT: 13.210 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

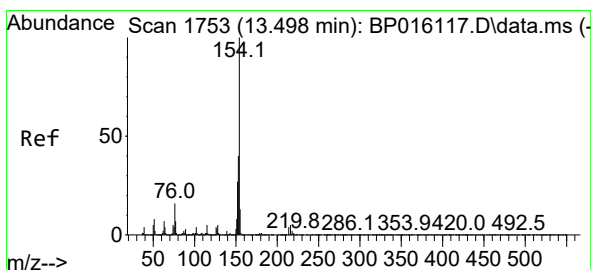
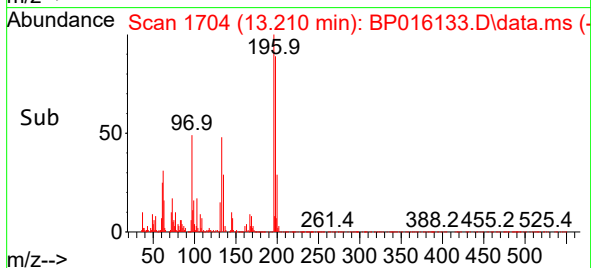
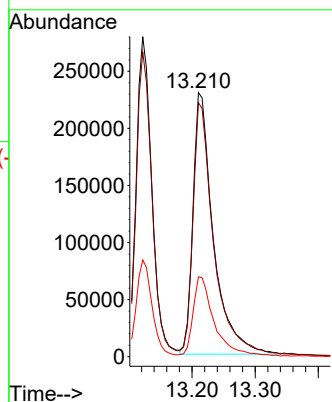
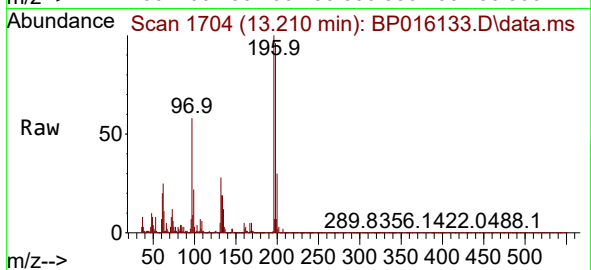
Tgt Ion:196 Resp: 514107

Ion Ratio Lower Upper

196 100

198 96.2 74.9 112.3

200 30.2 24.3 36.5



#43

1,1'-Biphenyl

Concen: 26.065 ng/ul

RT: 13.493 min Scan# 1752

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

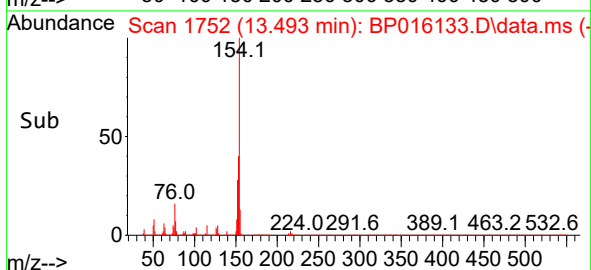
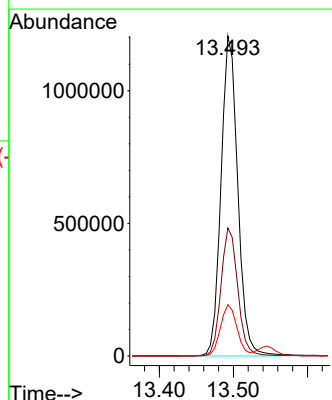
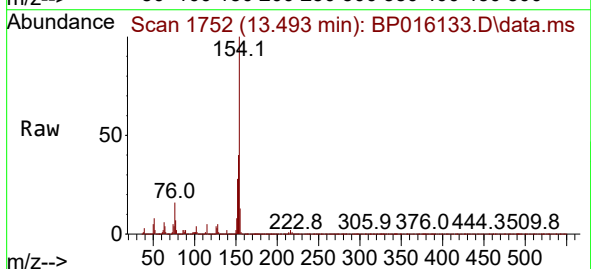
Tgt Ion:154 Resp: 1891837

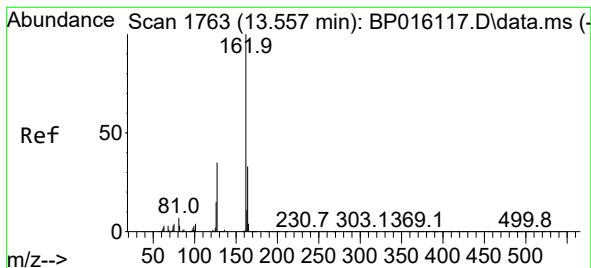
Ion Ratio Lower Upper

154 100

153 40.0 32.8 49.2

76 16.1 10.7 16.1

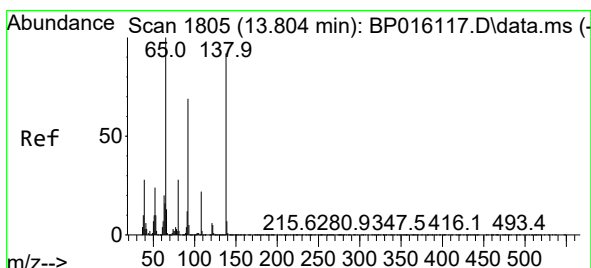
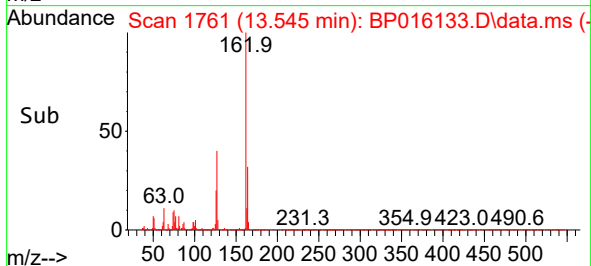
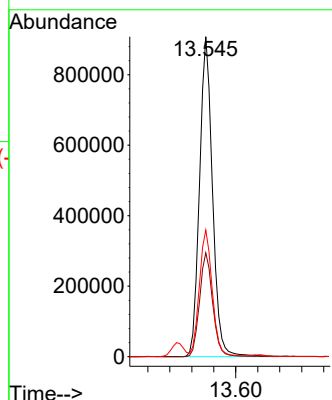
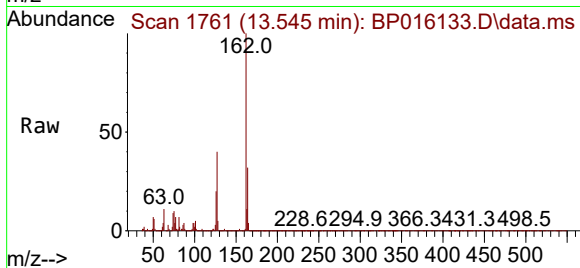




#44
2-Chloronaphthalene
Concen: 26.047 ng/ul
RT: 13.545 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

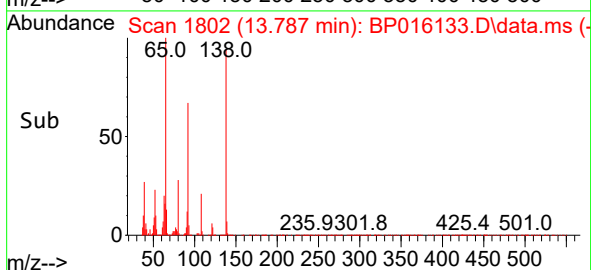
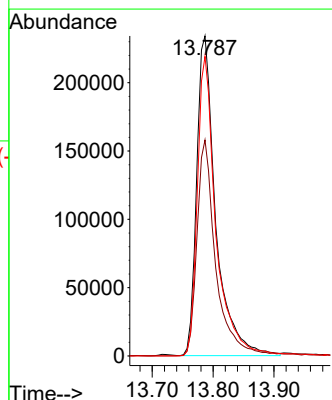
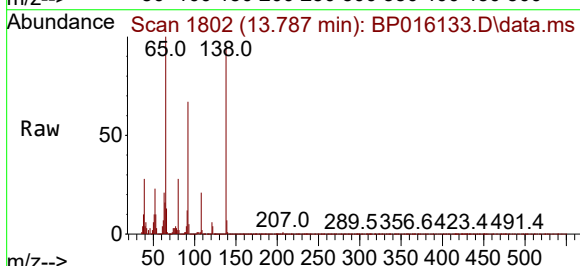
Instrument :
BNA_P
ClientSampleId :

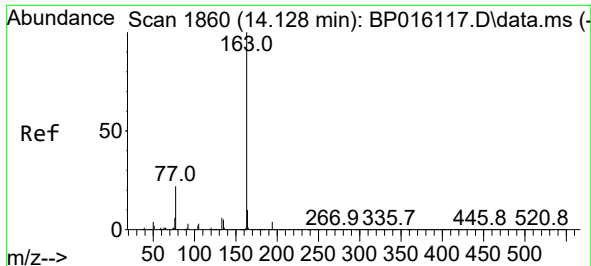
Tgt Ion:162 Resp: 1489309
Ion Ratio Lower Upper
162 100
164 32.5 26.1 39.1
127 39.6 33.4 50.0



#45
2-Nitroaniline
Concen: 28.318 ng/ul
RT: 13.787 min Scan# 1802
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion: 65 Resp: 509476
Ion Ratio Lower Upper
65 100
92 67.5 49.5 74.3
138 93.6 71.4 107.2

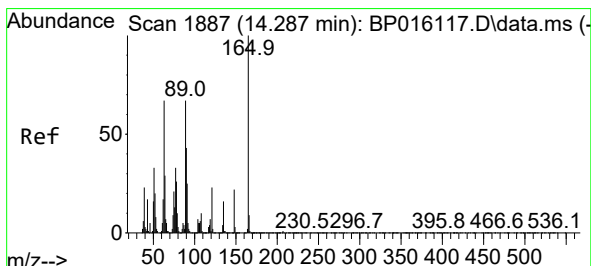
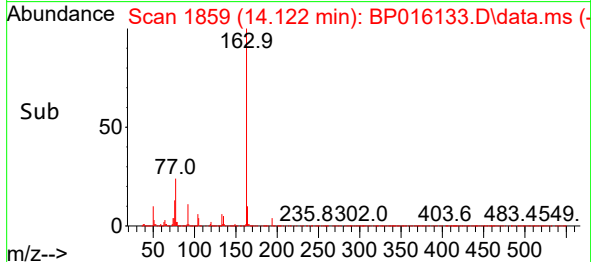
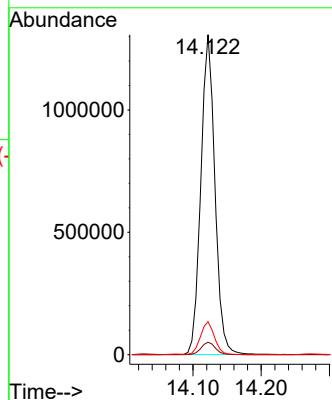
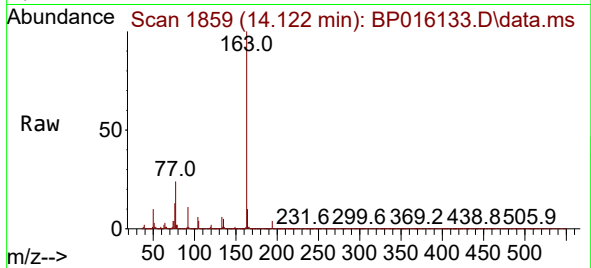




#47
Dimethylphthalate
Concen: 25.516 ng/ul
RT: 14.122 min Scan# 1859
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

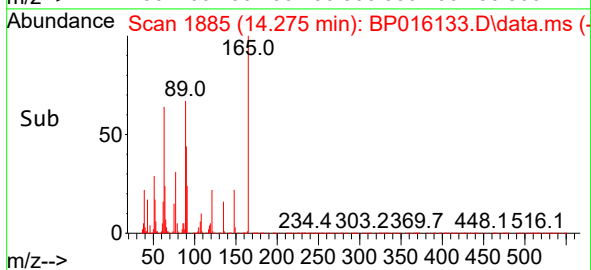
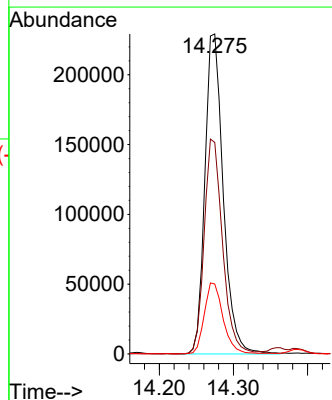
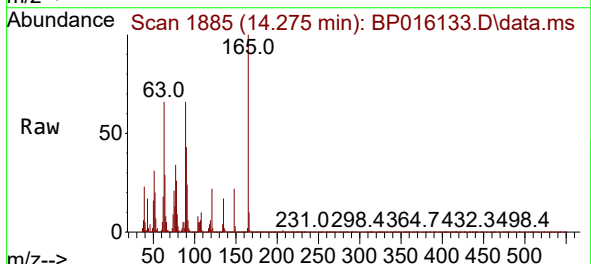
Instrument :
BNA_P
ClientSampleId :

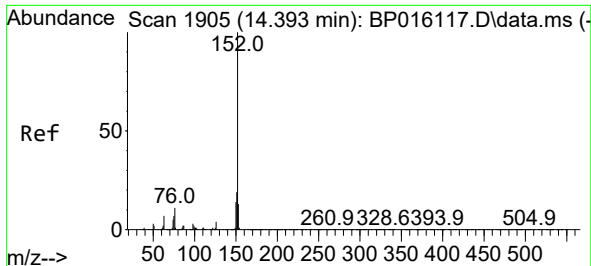
Tgt Ion:163 Resp: 1870337
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.3 7.7 11.5



#48
2,6-Dinitrotoluene
Concen: 26.547 ng/ul
RT: 14.275 min Scan# 1885
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

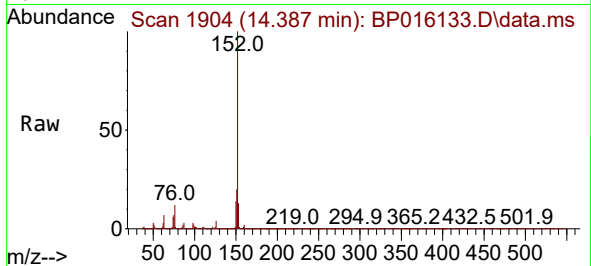
Tgt Ion:165 Resp: 394715
Ion Ratio Lower Upper
165 100
89 66.1 54.1 81.1
121 21.9 18.2 27.2



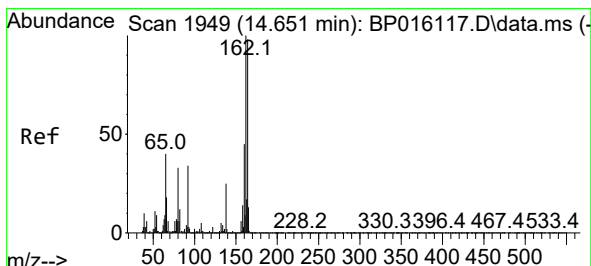
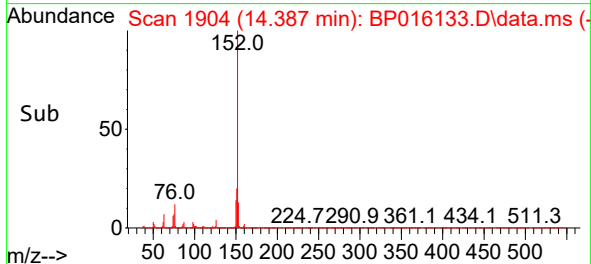
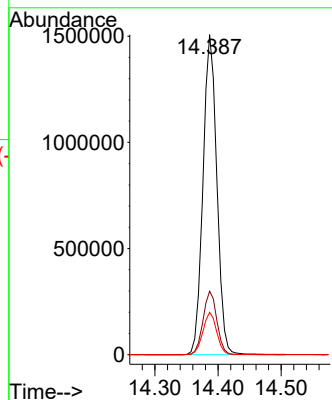


#50
Acenaphthylene
Concen: 26.197 ng/ul
RT: 14.387 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Instrument :
BNA_P
ClientSampleId :

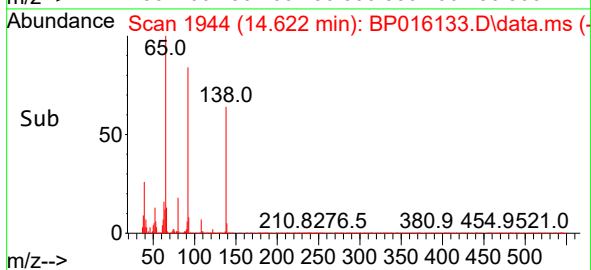
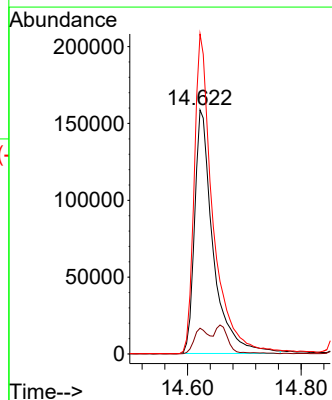
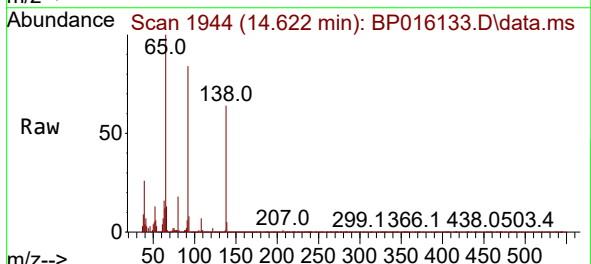


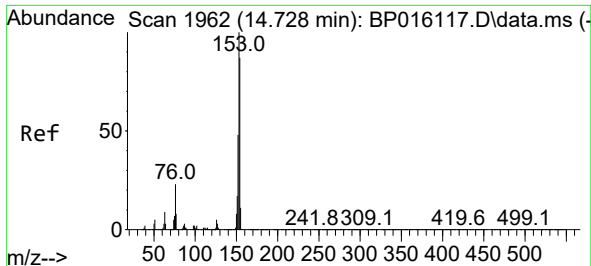
Tgt Ion:152 Resp: 2298271
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.2 10.5 15.7



#51
3-Nitroaniline
Concen: 30.932 ng/ul
RT: 14.622 min Scan# 1944
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:138 Resp: 360664
Ion Ratio Lower Upper
138 100
108 10.5 9.1 13.7
92 131.2 96.8 145.2

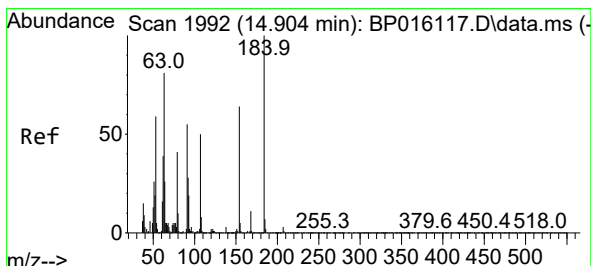
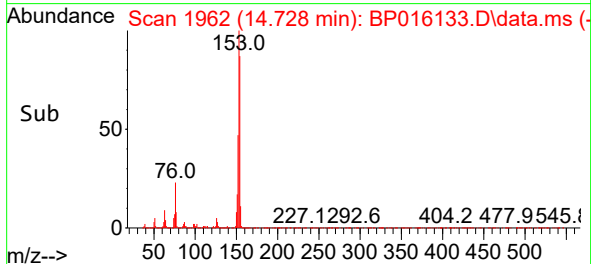
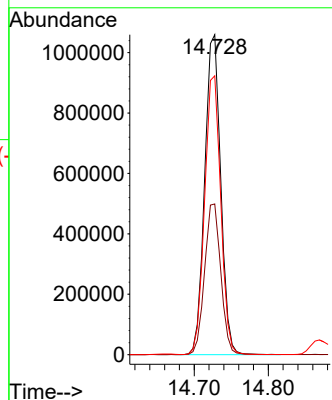
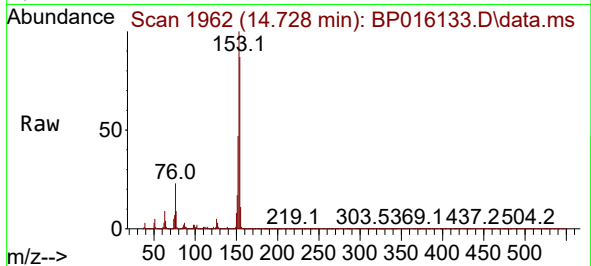




#52
Acenaphthene
Concen: 26.070 ng/ul
RT: 14.728 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

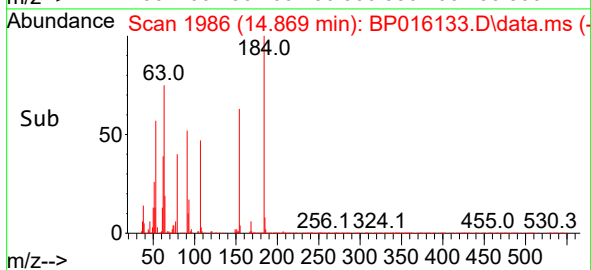
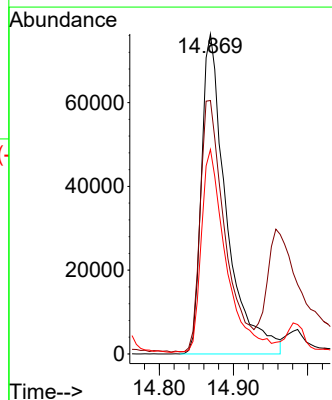
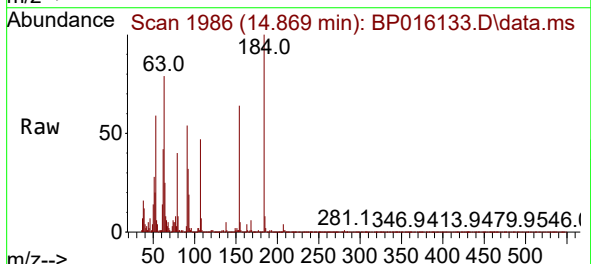
Instrument :
BNA_P
ClientSampleId :

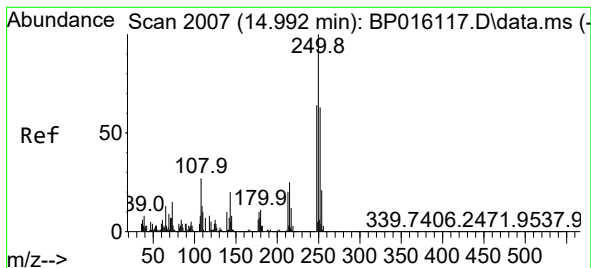
Tgt Ion:153 Resp: 1586013
Ion Ratio Lower Upper
153 100
152 47.1 39.4 59.2
154 87.1 71.4 107.2



#53
2,4-Dinitrophenol
Concen: 22.564 ng/ul
RT: 14.869 min Scan# 1986
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:184 Resp: 177995
Ion Ratio Lower Upper
184 100
63 79.2 71.4 107.0
154 63.9 61.1 91.7

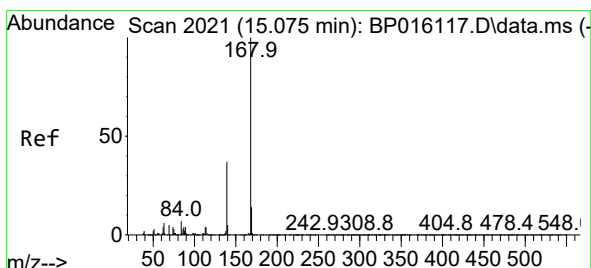
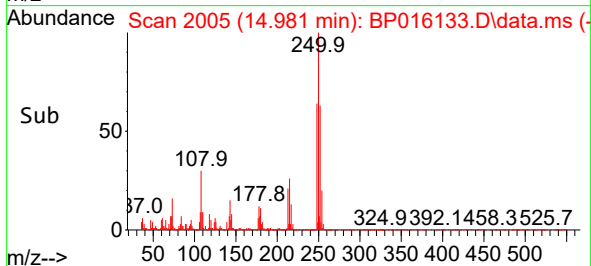
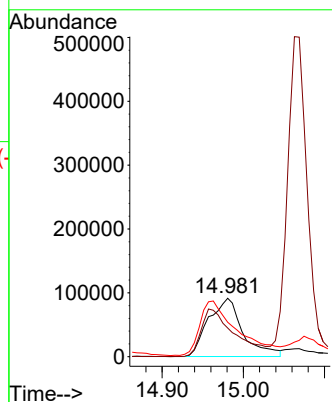
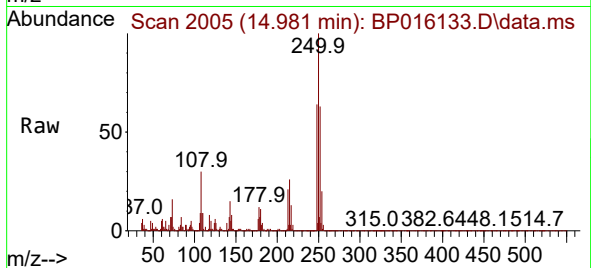




#55
4-Nitrophenol
Concen: 27.736 ng/ul
RT: 14.981 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

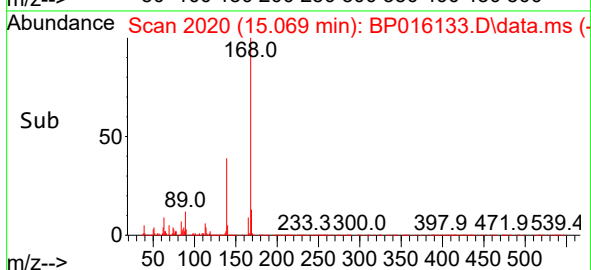
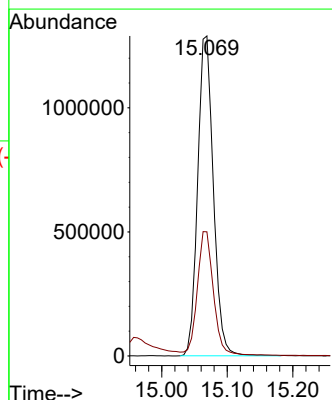
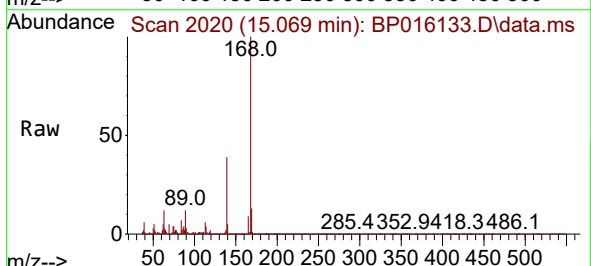
Instrument :
BNA_P
ClientSampleId :

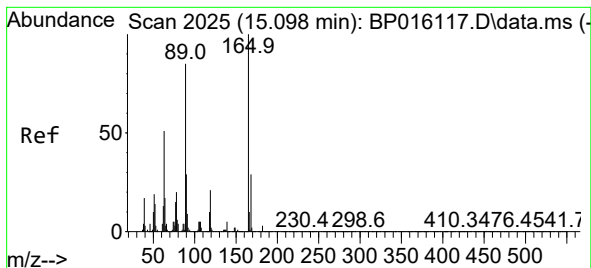
Tgt Ion:109 Resp: 268643
Ion Ratio Lower Upper
109 100
139 49.0 81.3 121.9#
65 58.8 99.9 149.9#



#56
Dibenzofuran
Concen: 25.430 ng/ul
RT: 15.069 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:168 Resp: 2147594
Ion Ratio Lower Upper
168 100
139 38.8 32.2 48.4





#57

2,4-Dinitrotoluene

Concen: 26.244 ng/ul

RT: 15.081 min Scan# 20

Delta R.T. -0.012 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

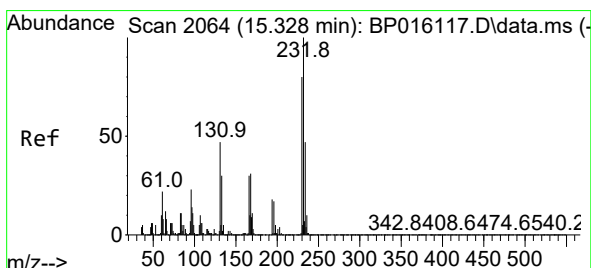
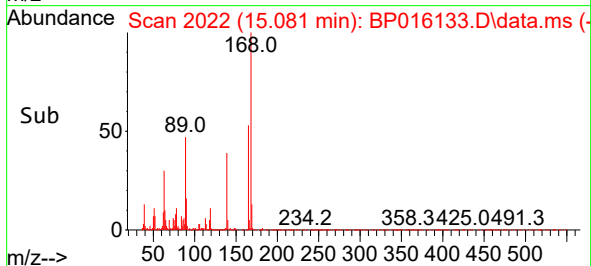
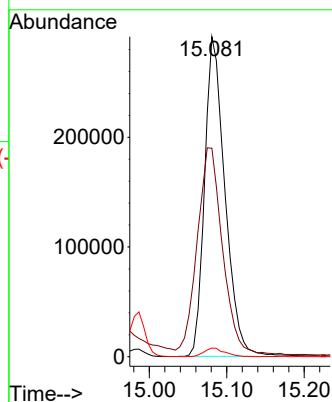
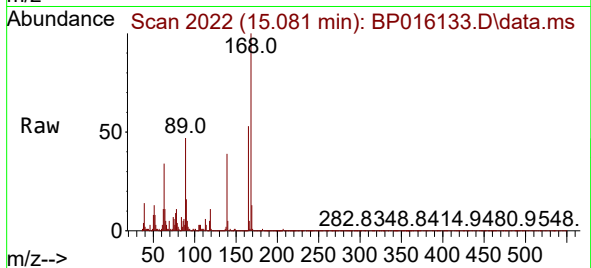
Tgt Ion:165 Resp: 531765

Ion Ratio Lower Upper

165 100

63 65.2 56.8 85.2

182 2.7 2.0 3.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 24.218 ng/ul

RT: 15.310 min Scan# 2061

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Tgt Ion:232 Resp: 421067

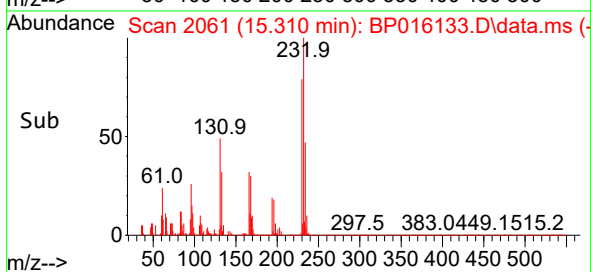
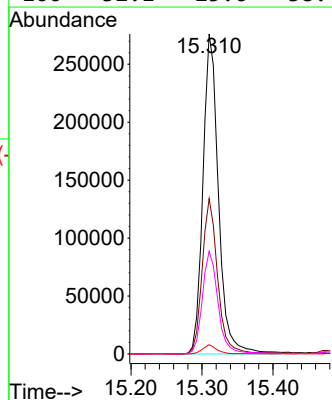
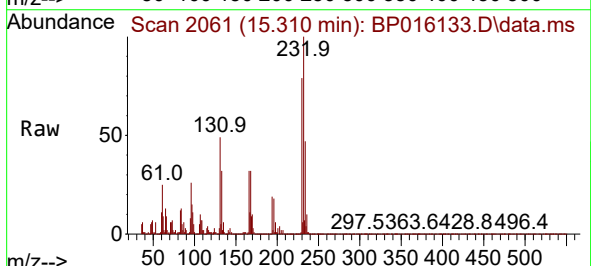
Ion Ratio Lower Upper

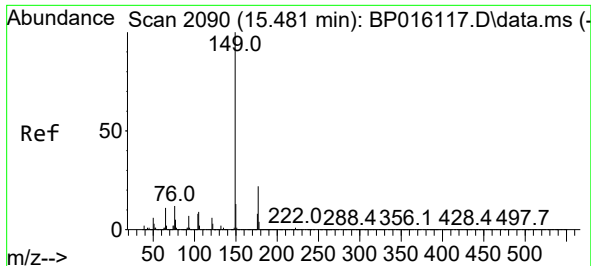
232 100

131 48.6 38.2 57.2

130 2.9 2.2 3.2

166 32.1 25.6 38.4

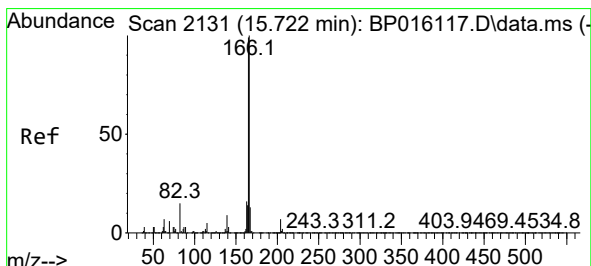
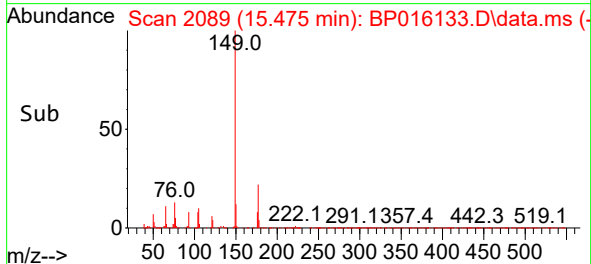
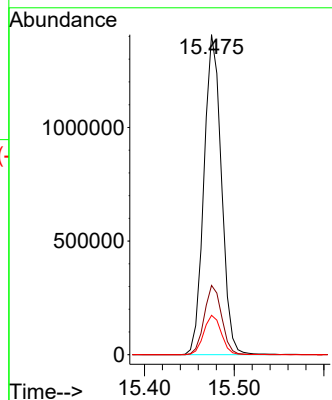
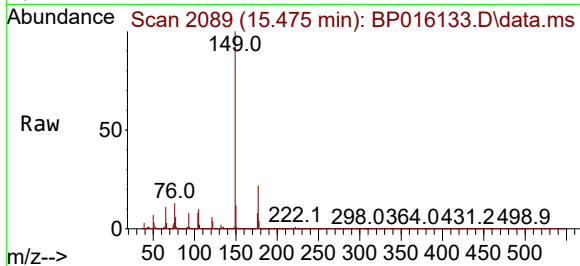




#59
Diethylphthalate
Concen: 25.712 ng/ul
RT: 15.475 min Scan# 2090
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

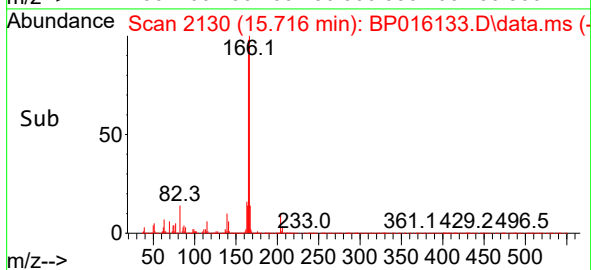
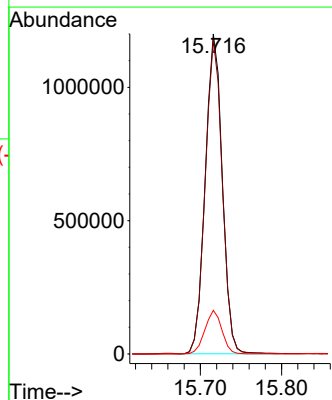
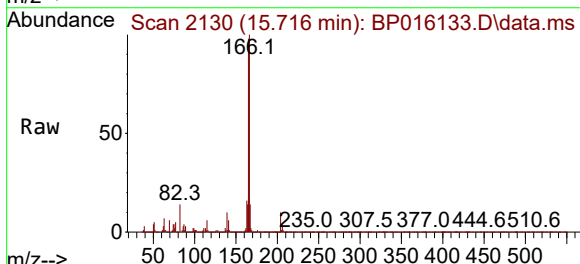
Instrument :
BNA_P
ClientSampleId :

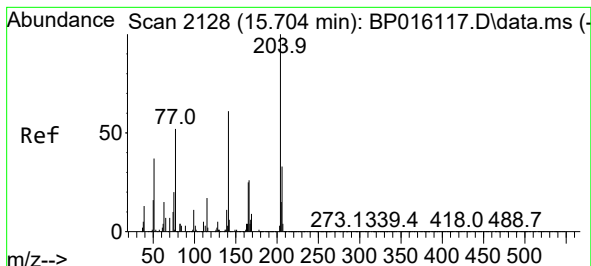
Tgt Ion:149 Resp: 1907217
Ion Ratio Lower Upper
149 100
177 21.7 16.8 25.2
150 12.3 10.3 15.5



#61
Fluorene
Concen: 25.511 ng/ul
RT: 15.716 min Scan# 2130
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:166 Resp: 1747481
Ion Ratio Lower Upper
166 100
165 98.2 78.7 118.1
167 13.7 10.5 15.7

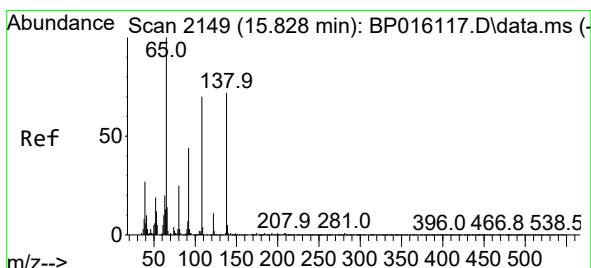
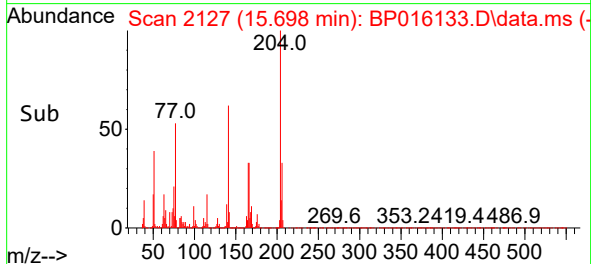
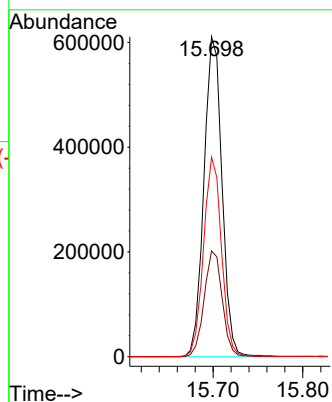
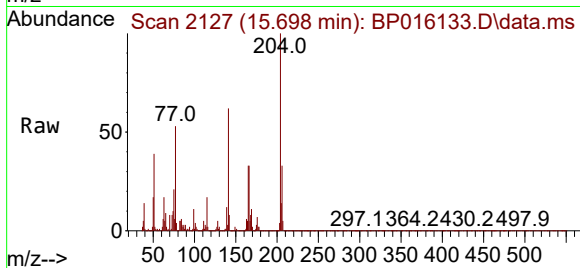




#62
4-Chlorophenyl-phenylether
Concen: 24.375 ng/ul
RT: 15.698 min Scan# 2127
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

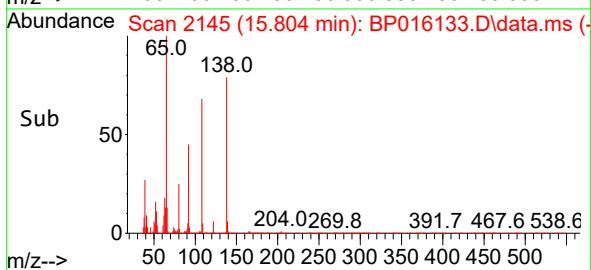
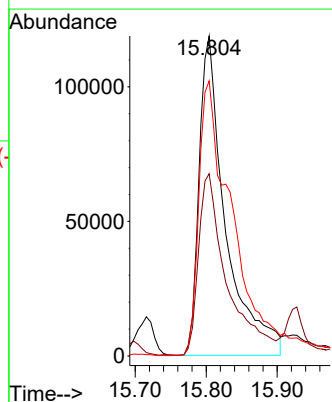
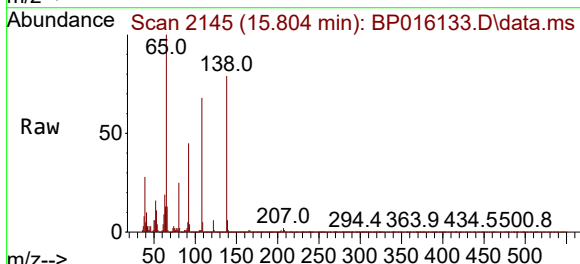
Instrument :
BNA_P
ClientSampleId :

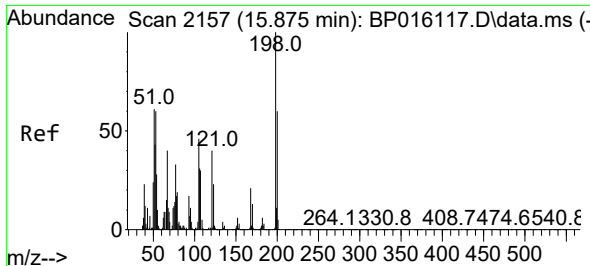
Tgt Ion:204 Resp: 854360
Ion Ratio Lower Upper
204 100
206 33.1 26.0 39.0
141 62.3 51.8 77.8



#63
4-Nitroaniline
Concen: 38.430 ng/ul
RT: 15.804 min Scan# 2145
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:138 Resp: 306676
Ion Ratio Lower Upper
138 100
92 56.9 50.1 75.1
108 86.0 85.5 128.3

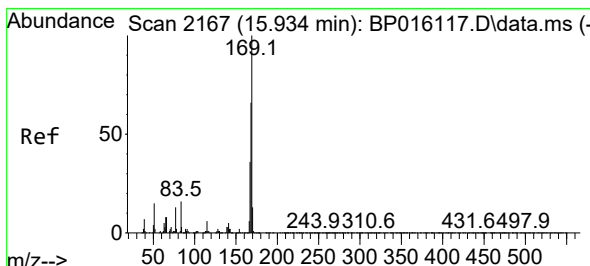
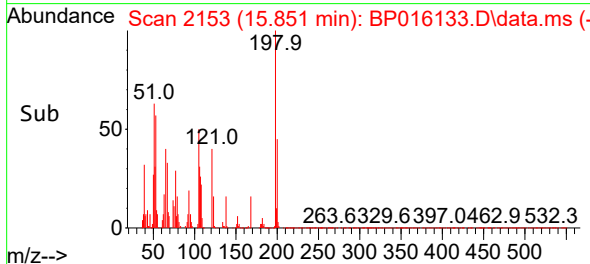
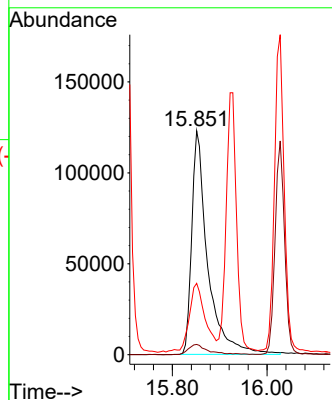
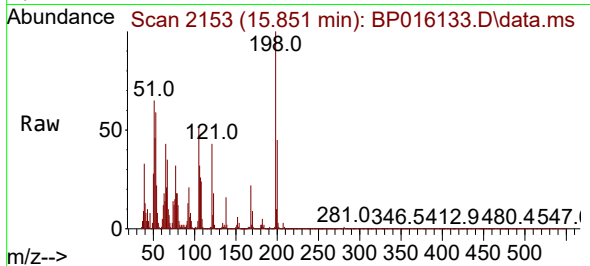




#66
4,6-Dinitro-2-methylphenol
Concen: 24.874 ng/ul
RT: 15.851 min Scan# 2153
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

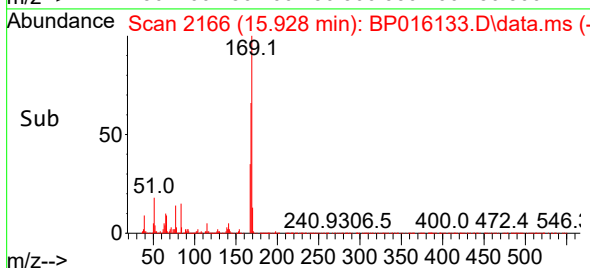
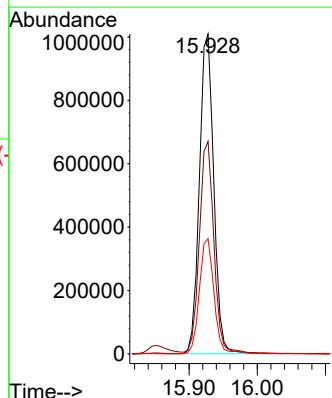
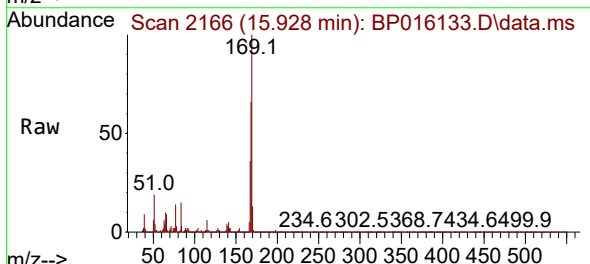
Instrument :
BNA_P
ClientSampleId :

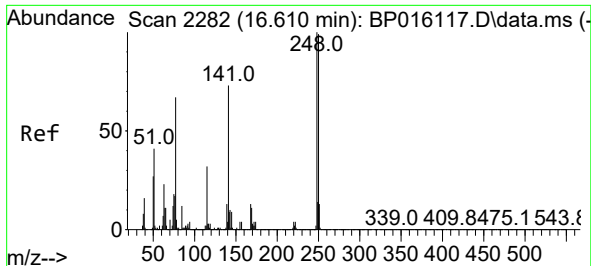
Tgt Ion:198 Resp: 287459
Ion Ratio Lower Upper
198 100
182 4.6 3.4 5.2
77 31.9 24.4 36.6



#67
N-Nitrosodiphenylamine
Concen: 26.560 ng/ul
RT: 15.928 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:169 Resp: 1476727
Ion Ratio Lower Upper
169 100
168 66.4 54.2 81.4
167 36.0 29.7 44.5

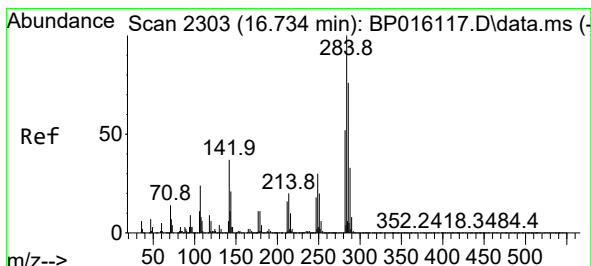
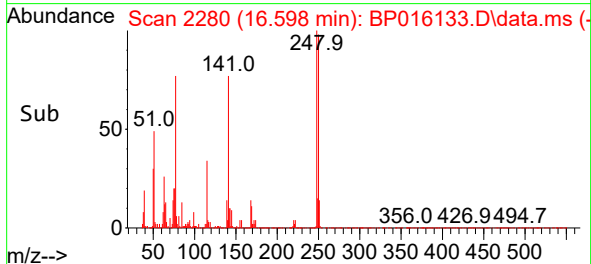
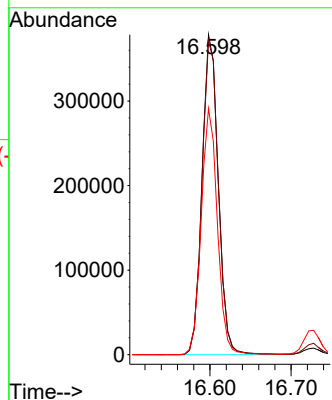
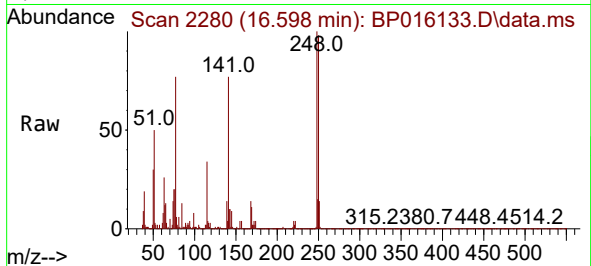




#68
4-Bromophenyl-phenylether
Concen: 24.818 ng/ul
RT: 16.598 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

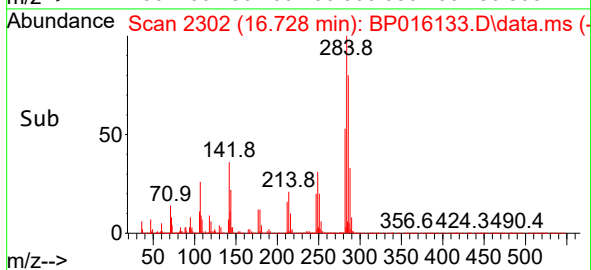
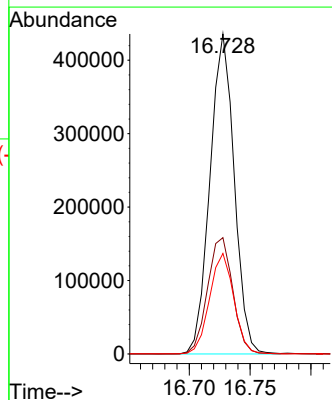
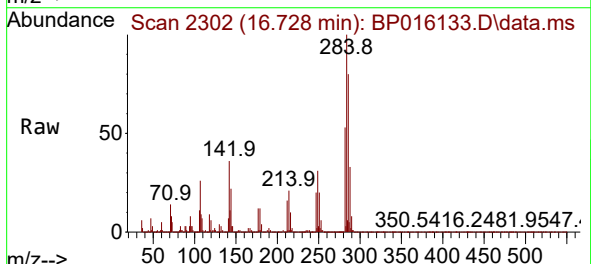
Instrument :
BNA_P
ClientSampleId :

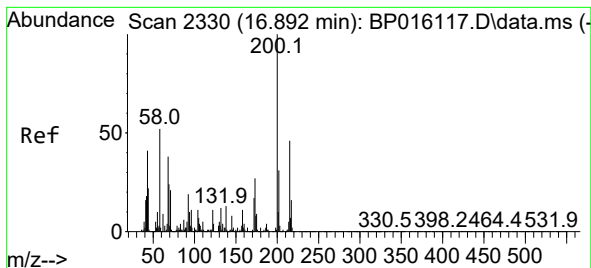
Tgt Ion:248 Resp: 526354
Ion Ratio Lower Upper
248 100
250 98.2 84.6 126.8
141 76.9 67.8 101.6



#69
Hexachlorobenzene
Concen: 24.155 ng/ul
RT: 16.728 min Scan# 2302
Delta R.T. -0.018 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:284 Resp: 604469
Ion Ratio Lower Upper
284 100
142 36.4 27.8 41.8
249 31.4 26.1 39.1





#70

Atrazine

Concen: 18.838 ng/ul

RT: 16.886 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

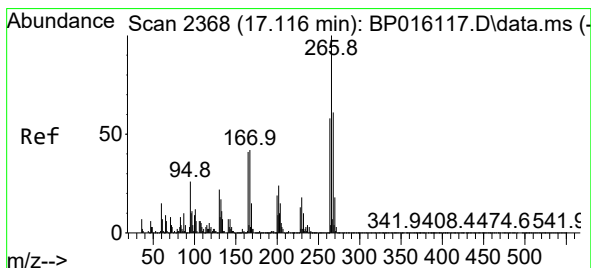
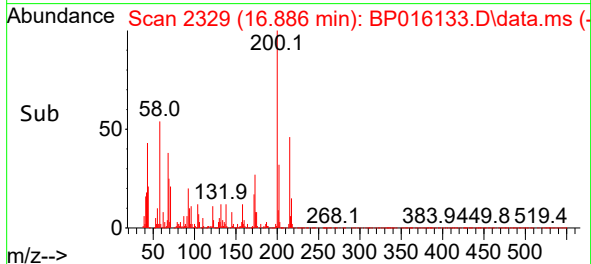
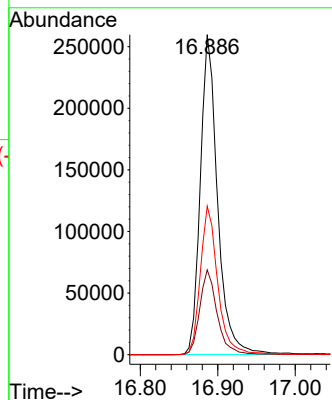
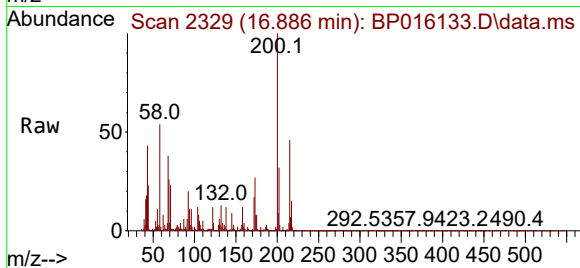
Tgt Ion:200 Resp: 400935

Ion Ratio Lower Upper

200 100

173 26.5 19.8 29.8

215 46.4 36.8 55.2



#71

Pentachlorophenol

Concen: 21.917 ng/ul

RT: 17.098 min Scan# 2365

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

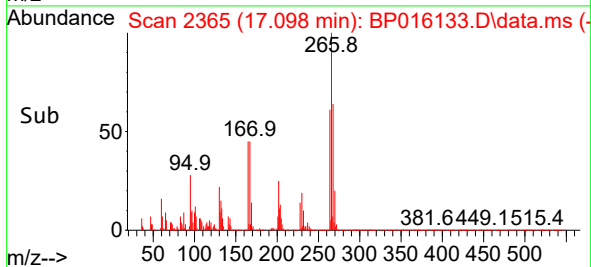
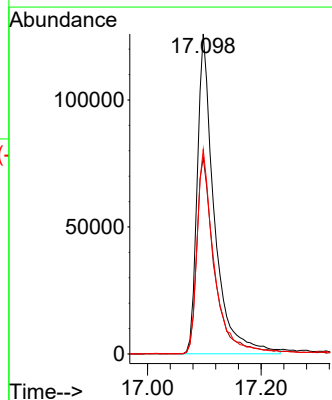
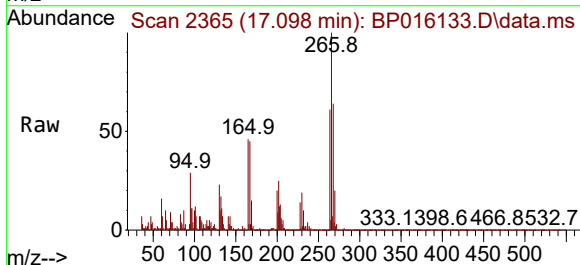
Tgt Ion:266 Resp: 263242

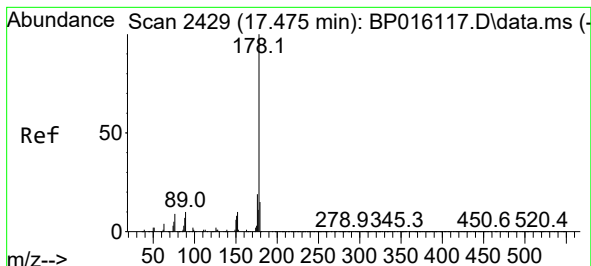
Ion Ratio Lower Upper

266 100

264 61.3 53.4 80.2

268 63.9 51.4 77.2





#72

Phenanthrene

Concen: 25.894 ng/ul

RT: 17.469 min Scan# 2429

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

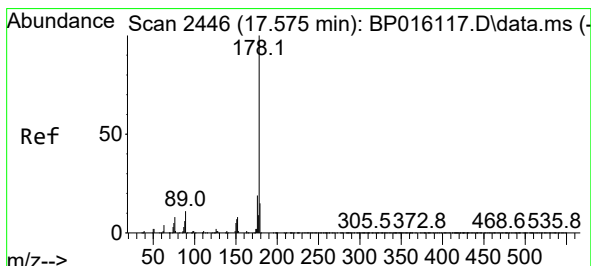
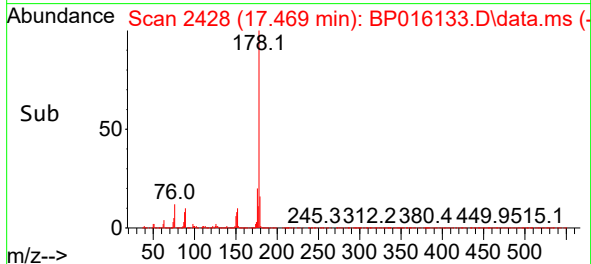
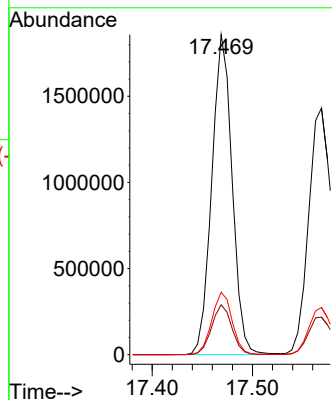
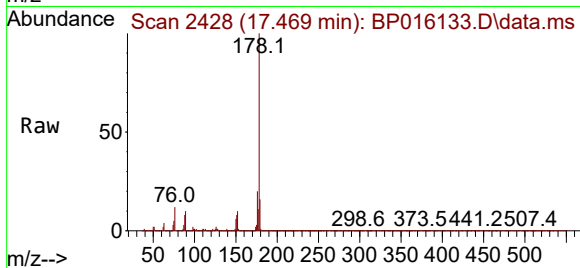
Tgt Ion:178 Resp: 2612574

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.5 15.6 23.4



#74

Anthracene

Concen: 25.811 ng/ul

RT: 17.569 min Scan# 2445

Delta R.T. -0.012 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

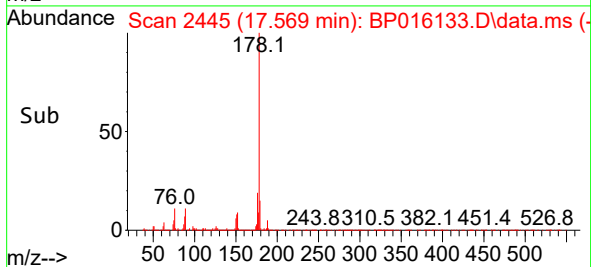
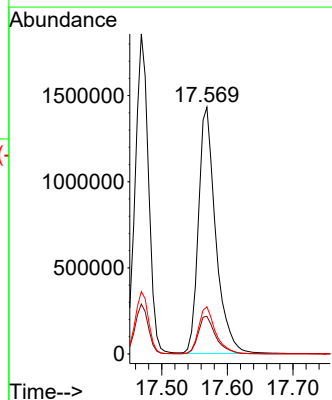
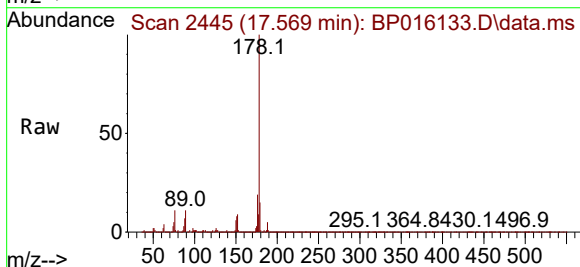
Tgt Ion:178 Resp: 2616789

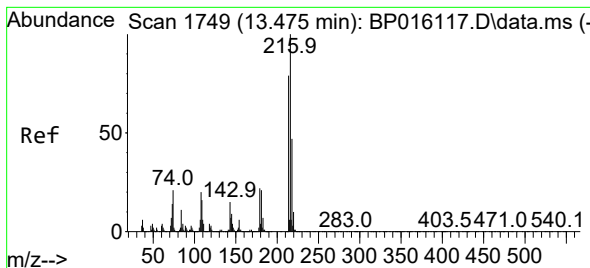
Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 19.1 14.6 22.0





#75

1,2,3,4-Tetrachlorobenzene

Concen: 25.665 ng/uL

RT: 13.463 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

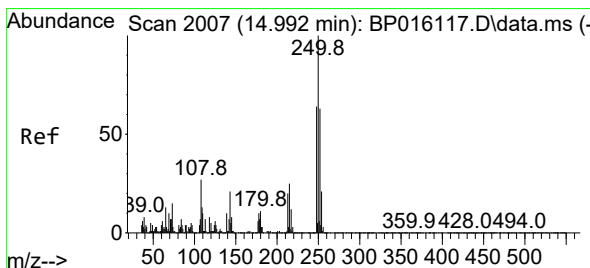
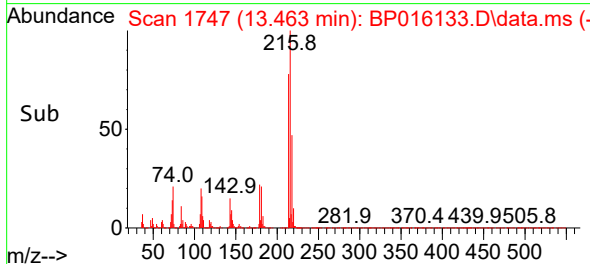
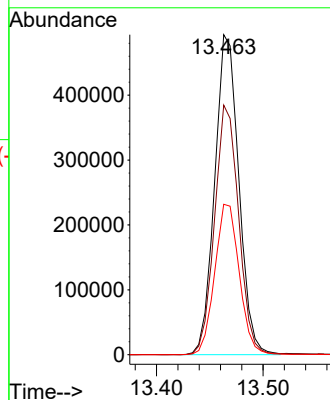
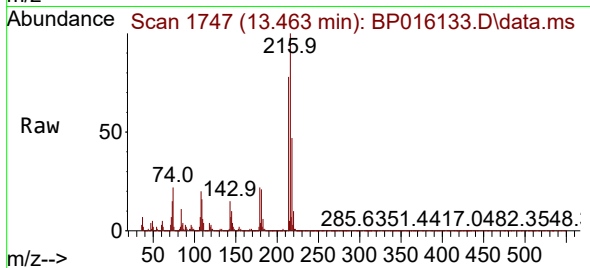
Tgt Ion:216 Resp: 775625

Ion Ratio Lower Upper

216 100

214 78.0 62.0 93.0

218 47.0 38.4 57.6



#76

Pentachlorobenzene

Concen: 55.055 ng/uL

RT: 14.987 min Scan# 2006

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

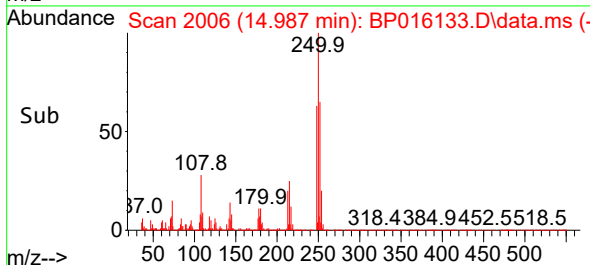
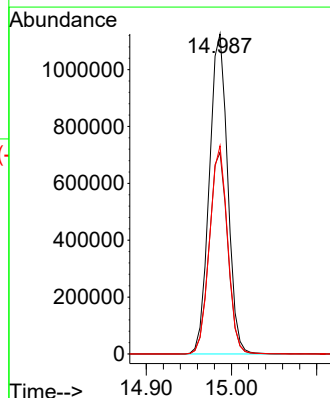
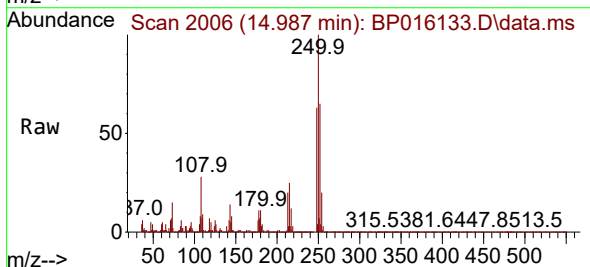
Tgt Ion:250 Resp: 1679243

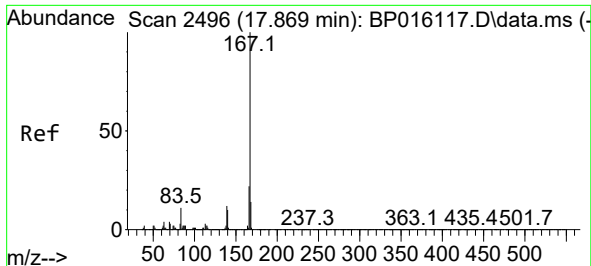
Ion Ratio Lower Upper

250 100

248 63.0 50.7 76.1

252 65.1 51.2 76.8

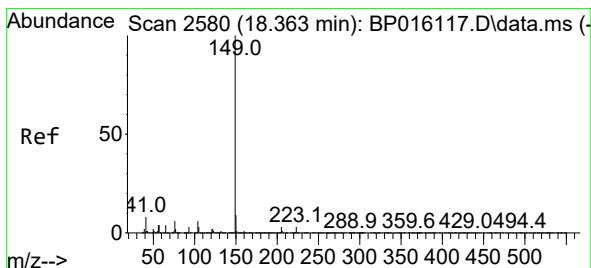
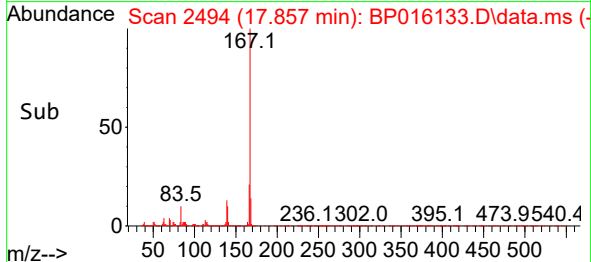
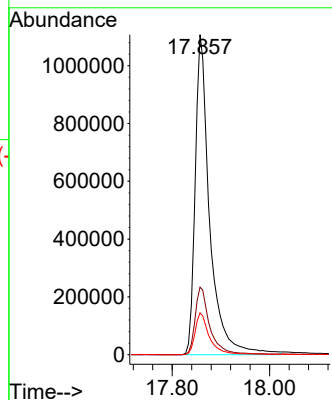
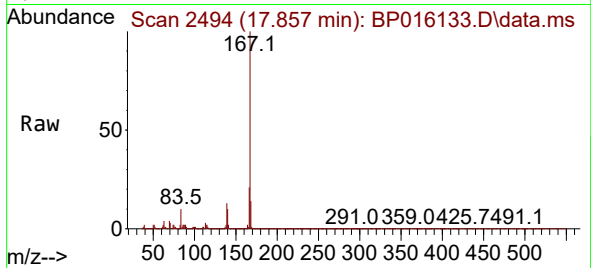




#77
 Carbazole
 Concen: 26.873 ng/ul
 RT: 17.857 min Scan# 2496
 Delta R.T. -0.012 min
 Lab File: BP016133.D
 Acq: 09 Jul 2023 15:06

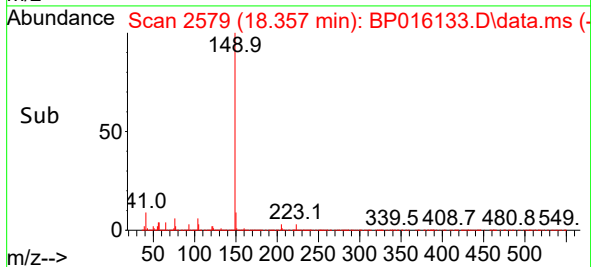
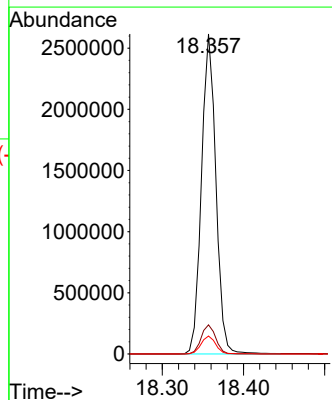
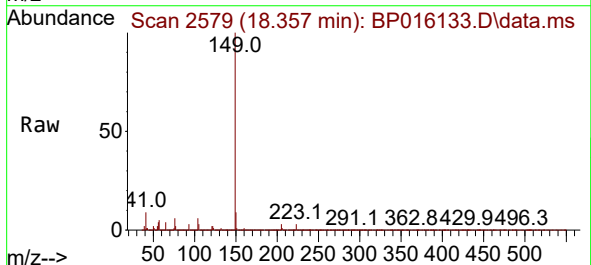
Instrument :
 BNA_P
 ClientSampleId :

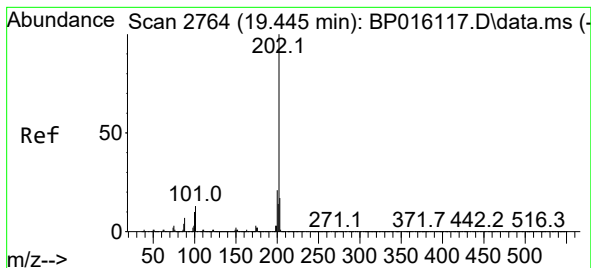
Tgt Ion:167 Resp: 2296285
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 13.1 11.0 16.4



#78
 Di-n-butylphthalate
 Concen: 28.458 ng/ul
 RT: 18.357 min Scan# 2579
 Delta R.T. -0.012 min
 Lab File: BP016133.D
 Acq: 09 Jul 2023 15:06

Tgt Ion:149 Resp: 3223807
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 5.6 4.6 7.0





#80

Fluoranthene

Concen: 26.555 ng/ul

RT: 19.439 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

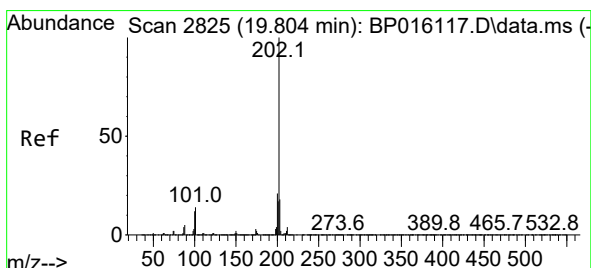
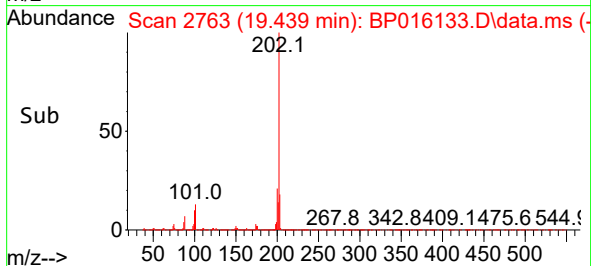
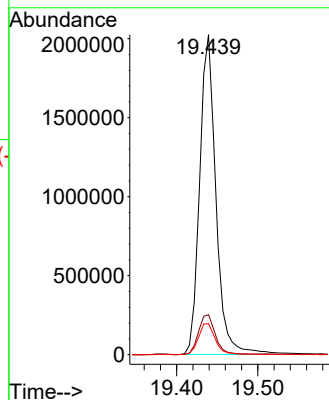
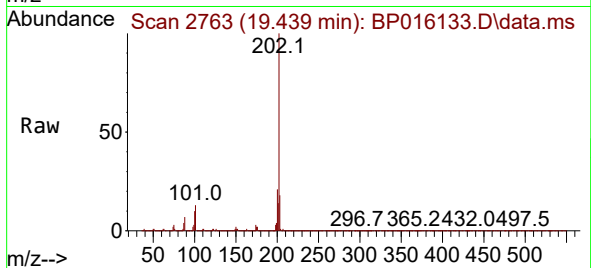
Tgt Ion:202 Resp: 2829393

Ion Ratio Lower Upper

202 100

101 12.5 8.3 12.5#

100 9.7 6.6 9.8



#82

Pyrene

Concen: 26.539 ng/ul

RT: 19.792 min Scan# 2823

Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

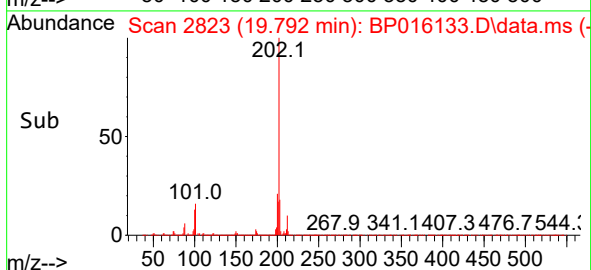
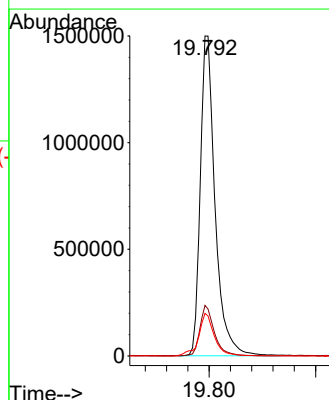
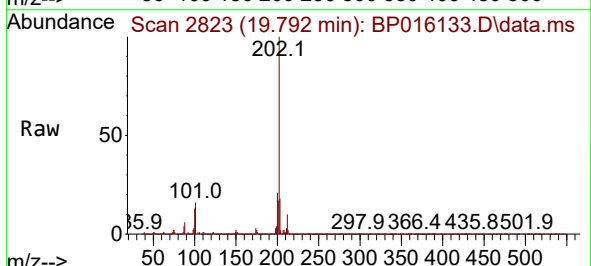
Tgt Ion:202 Resp: 2884395

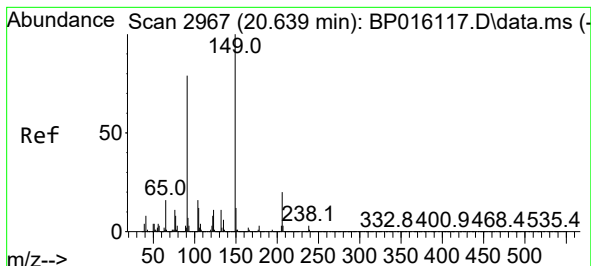
Ion Ratio Lower Upper

202 100

101 15.8 9.3 13.9#

100 13.3 7.6 11.4#





#83

Butylbenzylphthalate

Concen: 29.098 ng/ul

RT: 20.639 min Scan# 2967

Delta R.T. -0.006 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

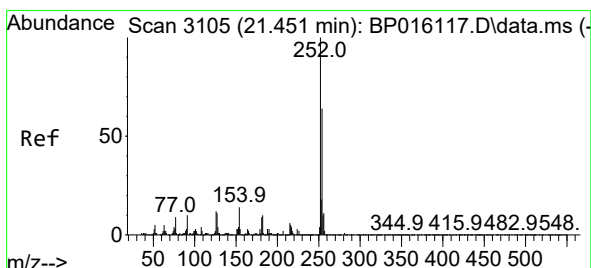
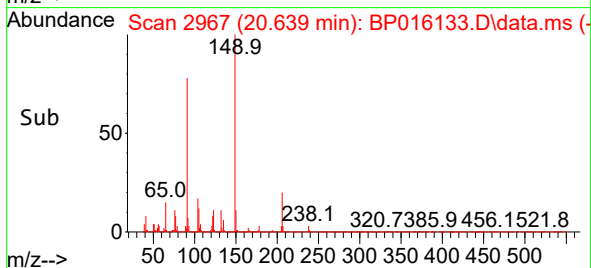
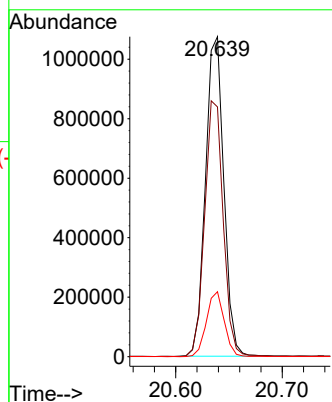
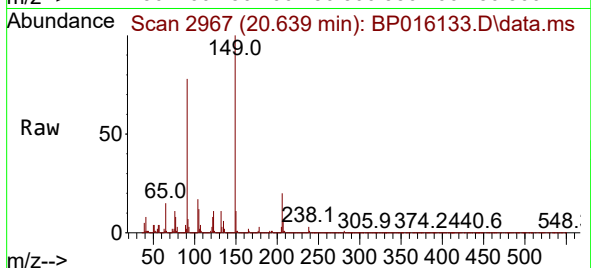
Tgt Ion:149 Resp: 1290256

Ion Ratio Lower Upper

149 100

91 78.0 59.8 89.6

206 20.3 16.4 24.6



#84

3,3'-Dichlorobenzidine

Concen: 24.239 ng/ul

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

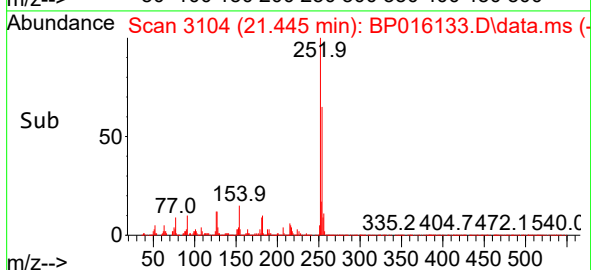
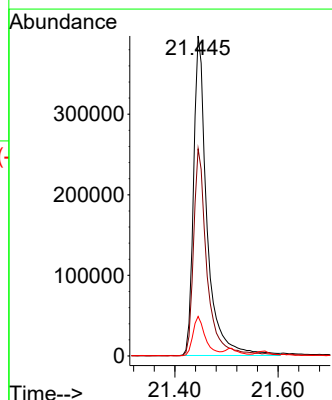
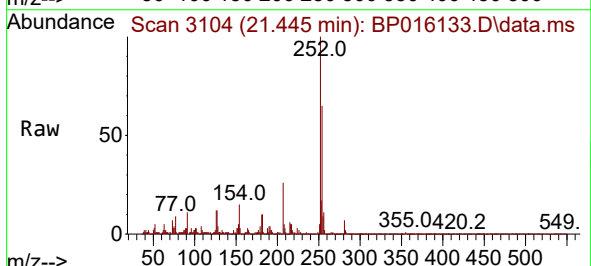
Tgt Ion:252 Resp: 719401

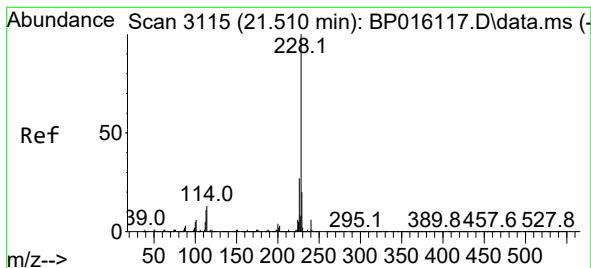
Ion Ratio Lower Upper

252 100

254 64.7 51.0 76.6

126 12.4 8.6 13.0





#85

Benzo(a)anthracene

Concen: 25.125 ng/ul

RT: 21.510 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

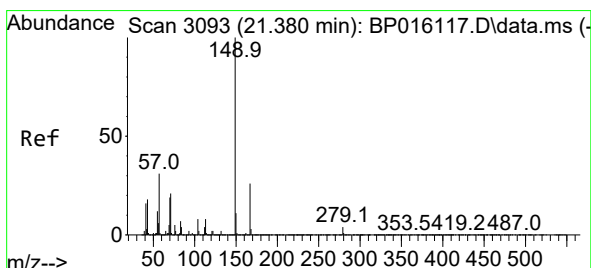
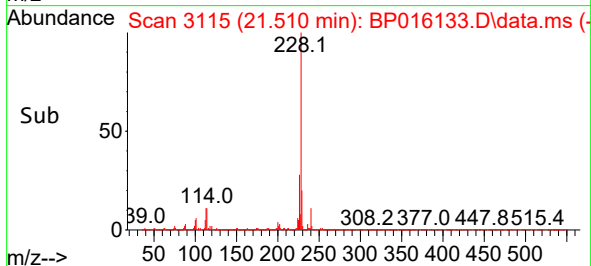
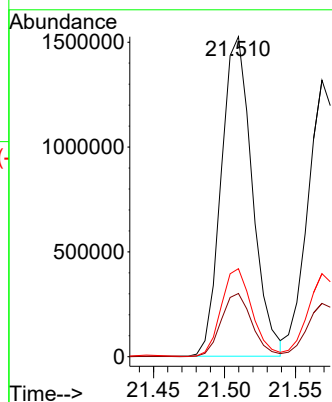
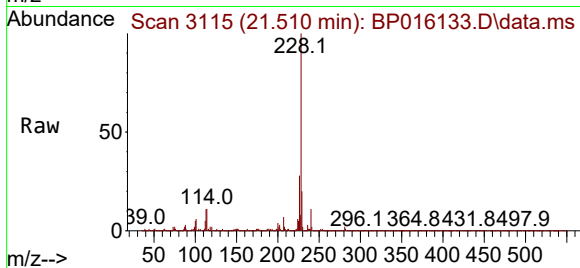
Tgt Ion:228 Resp: 2320546

Ion Ratio Lower Upper

228 100

229 19.7 15.3 22.9

226 27.5 21.4 32.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 29.048 ng/ul

RT: 21.380 min Scan# 3093

Delta R.T. -0.012 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

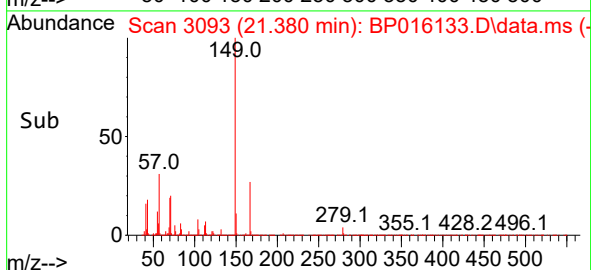
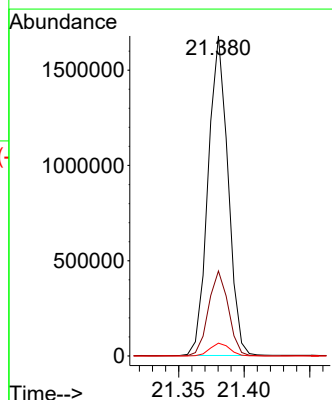
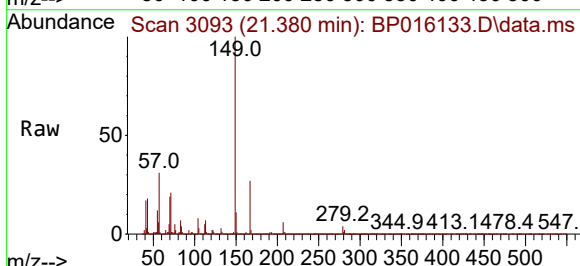
Tgt Ion:149 Resp: 1770115

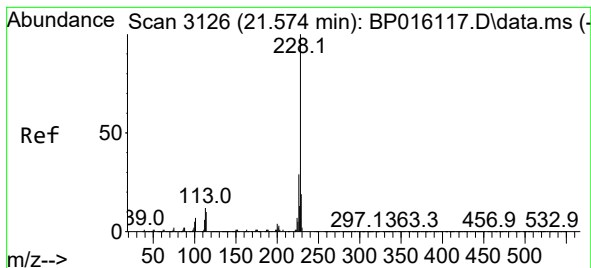
Ion Ratio Lower Upper

149 100

167 26.6 21.0 31.6

279 4.0 3.8 5.6





#87

Chrysene

Concen: 26.884 ng/ul

RT: 21.569 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

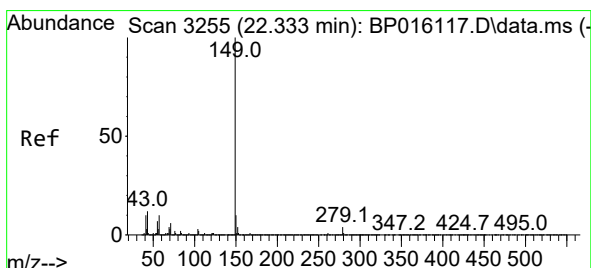
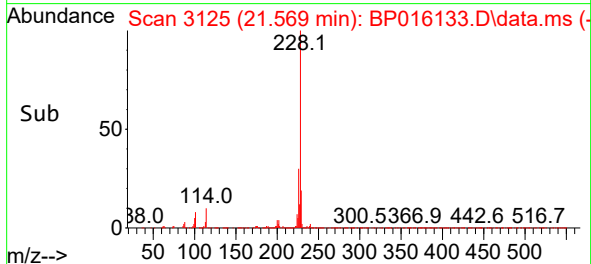
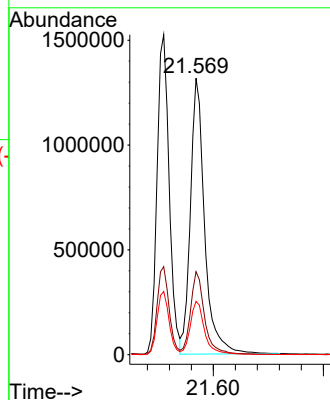
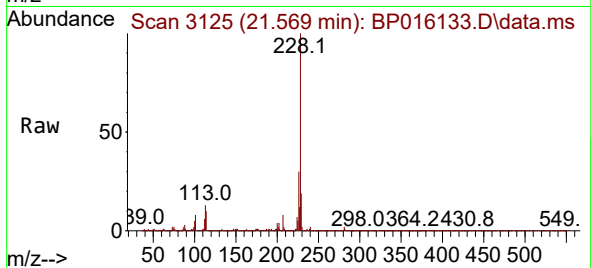
Tgt Ion:228 Resp: 2355700

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 19.3 15.5 23.3



#89

Di-n-octyl phthalate

Concen: 28.623 ng/ul

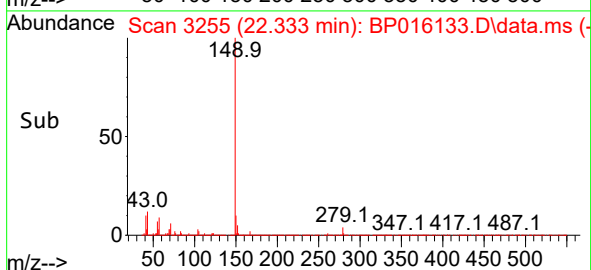
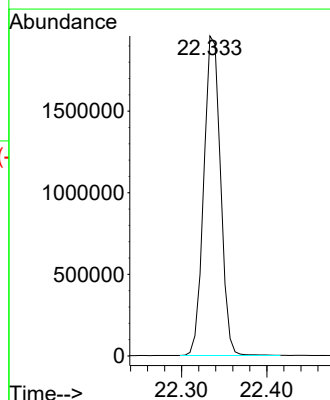
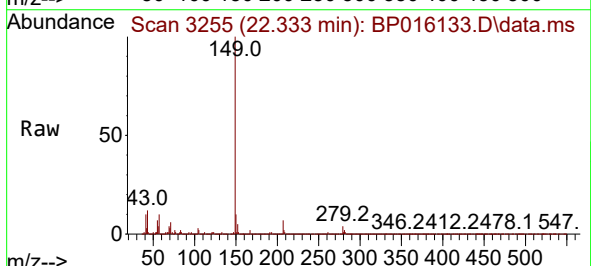
RT: 22.333 min Scan# 3255

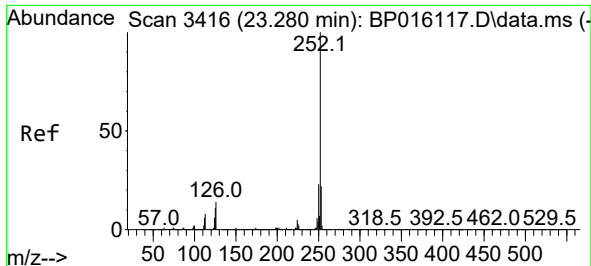
Delta R.T. -0.018 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Tgt Ion:149 Resp: 2671397

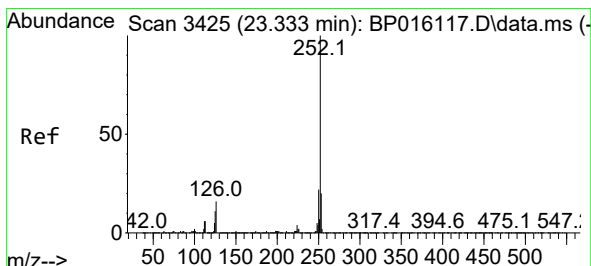
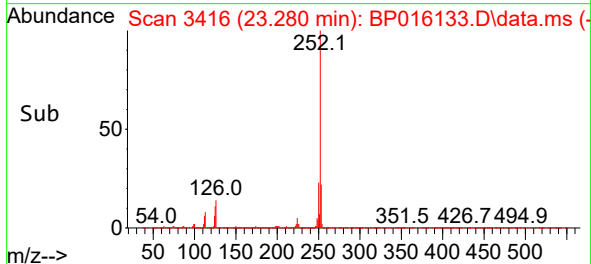
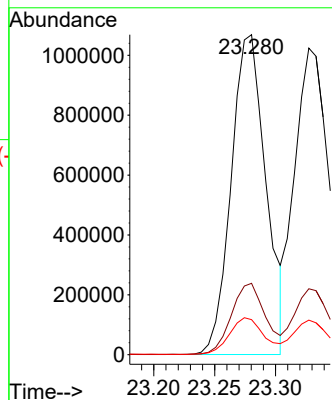
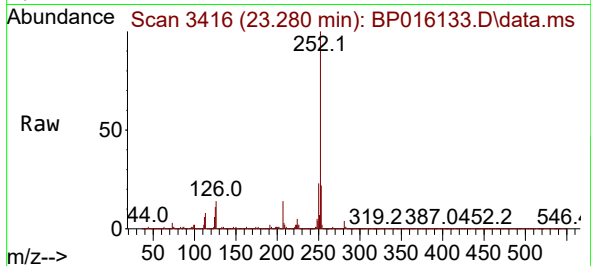




#90
Benzo(b)fluoranthene
Concen: 25.845 ng/ul
RT: 23.280 min Scan# 3416
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

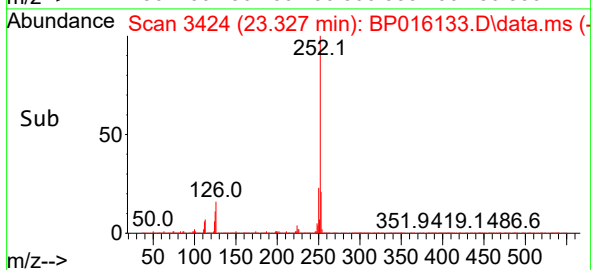
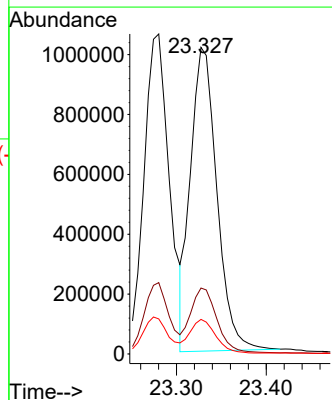
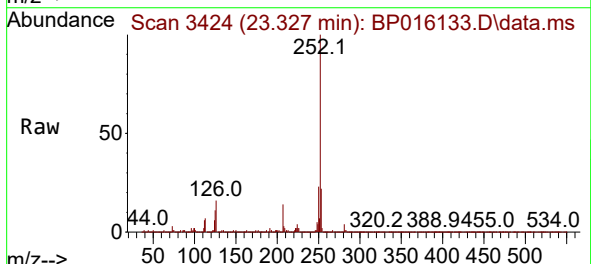
Instrument :
BNA_P
ClientSampleId :

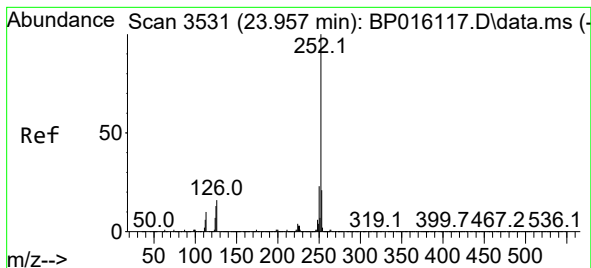
Tgt Ion:252 Resp: 2120805
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.9 7.5 11.3



#91
Benzo(k)fluoranthene
Concen: 25.042 ng/ul
RT: 23.327 min Scan# 3424
Delta R.T. -0.012 min
Lab File: BP016133.D
Acq: 09 Jul 2023 15:06

Tgt Ion:252 Resp: 2076181
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.4
125 11.3 7.3 10.9#





#93

Benzo(a)pyrene

Concen: 26.054 ng/ul

RT: 23.957 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

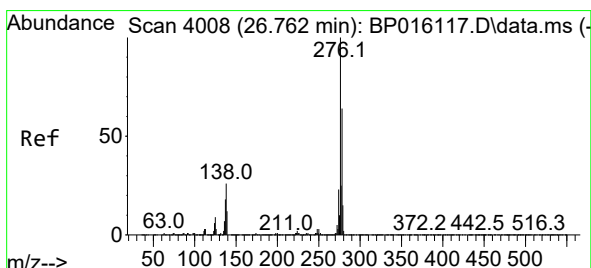
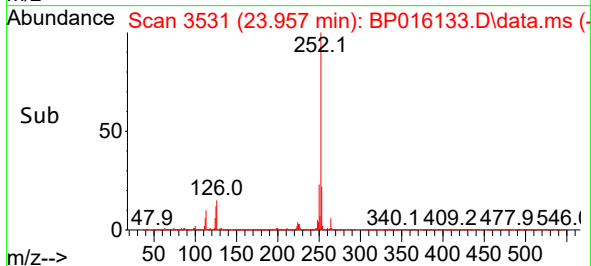
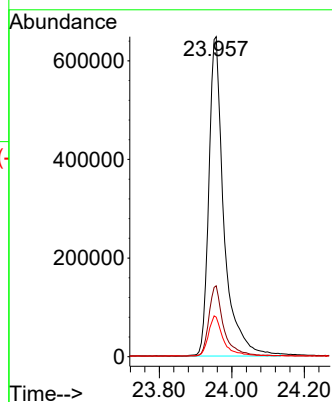
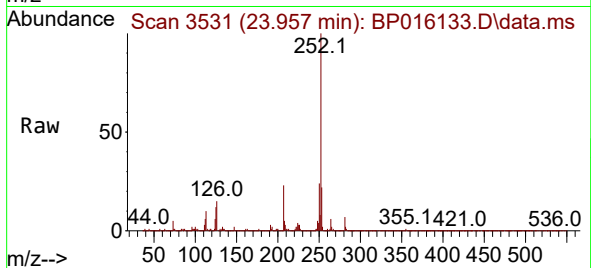
Tgt Ion:252 Resp: 1868099

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 12.3 8.2 12.2#



#94

Indeno(1,2,3-cd)pyrene

Concen: 24.116 ng/ul

RT: 26.751 min Scan# 4006

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

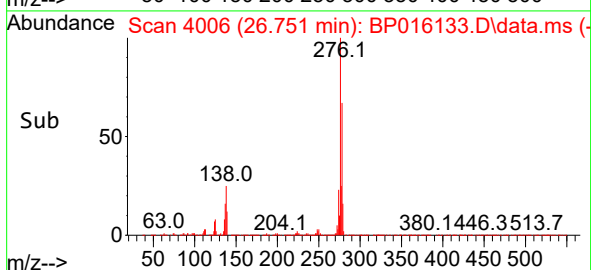
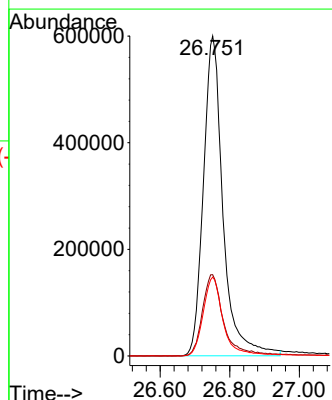
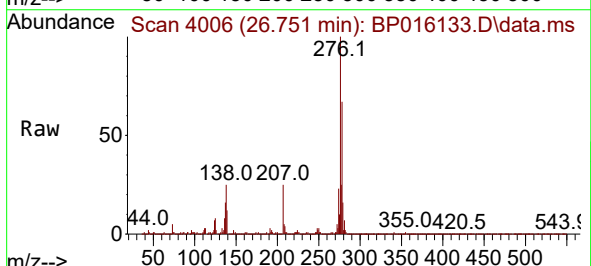
Tgt Ion:276 Resp: 2347395

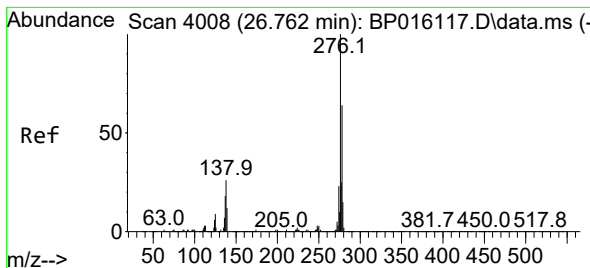
Ion Ratio Lower Upper

276 100

138 25.4 15.7 23.5#

277 24.6 19.6 29.4





#95

Dibenzo(a,h)anthracene

Concen: 24.052 ng/ul

RT: 26.751 min Scan# 4008

Delta R.T. -0.029 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Instrument :

BNA_P

ClientSampleId :

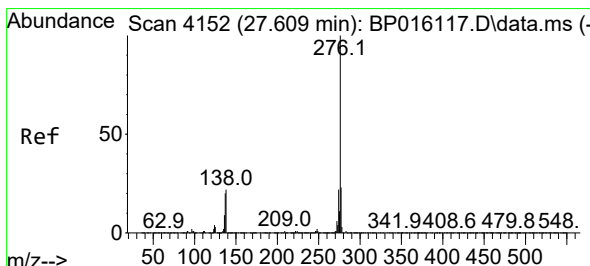
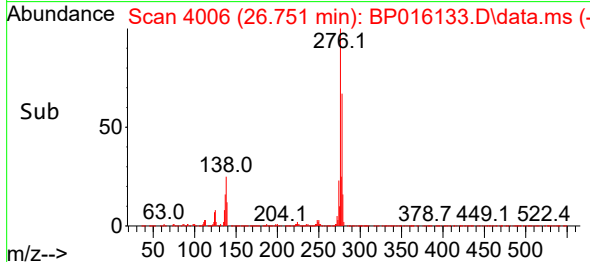
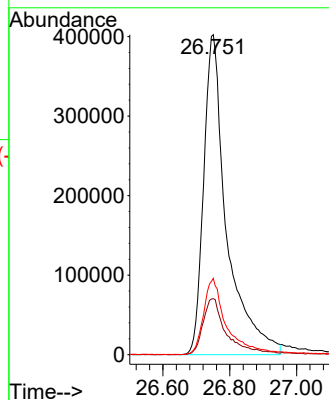
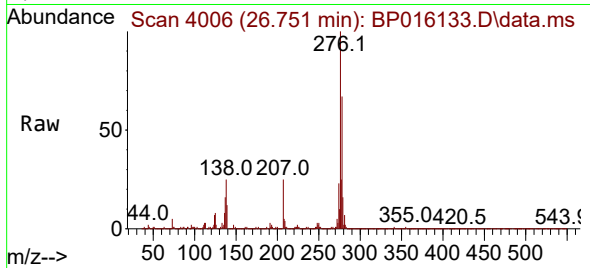
Tgt Ion:278 Resp: 1923005

Ion Ratio Lower Upper

278 100

139 17.5 10.5 15.7#

279 23.9 18.4 27.6



#96

Benzo(g,h,i)perylene

Concen: 24.021 ng/ul

RT: 27.598 min Scan# 4150

Delta R.T. -0.024 min

Lab File: BP016133.D

Acq: 09 Jul 2023 15:06

Tgt Ion:276 Resp: 1923495

Ion Ratio Lower Upper

276 100

138 23.1 15.1 22.7#

277 23.6 18.8 28.2

