

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121323\
 Data File : BP018829.D
 Acq On : 14 Dec 2023 04:50
 Operator : MA/JU
 Sample : PB157657BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS657

Quant Time: Dec 14 05:18:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	235554	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	862256	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	518475	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1166015	20.000	ng/u1	0.00
79) Chrysene-d12	21.298	240	1284344	20.000	ng/u1	0.00
88) Perylene-d12	23.657	264	1477463	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	40959	5.925	ng/uL	0.00
4) Pyridine-d5	3.675	84	516899	27.918	ng/u1	0.00
7) Phenol-d5	7.005	99	603818	25.544	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	362276	25.858	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	485554	26.324	ng/u1	0.00
15) 4-Methylphenol-d8	8.552	113	457516	23.916	ng/u1	0.00
21) Nitrobenzene-d5	8.999	128	221603	28.876	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	235445	29.591	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	476957	29.316	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	578240	27.196	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	1306884	28.242	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	1502375	29.485	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	239859	31.578	ng/u1	0.00
60) Fluorene-d10	15.457	176	1145935	29.502	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	212534	30.399	ng/u1	0.00
73) Anthracene-d10	17.310	188	1820557	29.699	ng/u1	0.00
81) Pyrene-d10	19.545	212	2327499	23.281	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.504	264	2627460	30.500	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	85452	11.273	ng/uL	97
5) Pyridine	3.693	79	543071	29.045	ng/u1	95
6) Benzaldehyde	6.975	77	308861	25.307	ng/u1	97
8) Phenol	7.034	94	642261	27.705	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.263	93	529515	27.813	ng/u1	99
12) 2-Chlorophenol	7.399	128	523423	28.039	ng/u1	97
13) 2-Methylphenol	8.281	108	472391	26.617	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.363	45	602808	24.954	ng/u1	98
16) Acetophenone	8.657	105	746535	26.185	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.652	70	349137	22.260	ng/u1	96
18) 4-Methylphenol	8.610	108	498811	25.739	ng/u1	99
19) Hexachloroethane	8.910	117	222922	29.128	ng/u1	89
22) Nitrobenzene	9.040	77	554946	29.742	ng/u1	95
23) Isophorone	9.563	82	990718	26.042	ng/u1	99
25) 2-Nitrophenol	9.746	139	267054	31.348	ng/u1	97
26) 2,4-Dimethylphenol	9.810	107	455012	27.309	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.052	93	660615	27.505	ng/u1	100
29) 2,4-Dichlorophenol	10.281	162	485783	30.999	ng/u1	98
30) Naphthalene	10.681	128	1577484	30.158	ng/u1	99
32) 4-Chloroaniline	10.793	127	488216	24.092	ng/u1	100
33) Hexachlorobutadiene	10.963	225	365427	34.819	ng/u1	99
34) Caprolactam	11.575	113	140000	29.135	ng/u1	93
35) 4-Chloro-3-methylphenol	11.922	107	466168	26.554	ng/u1	97
36) 2-Methylnaphthalene	12.287	142	1051235	28.368	ng/u1	99

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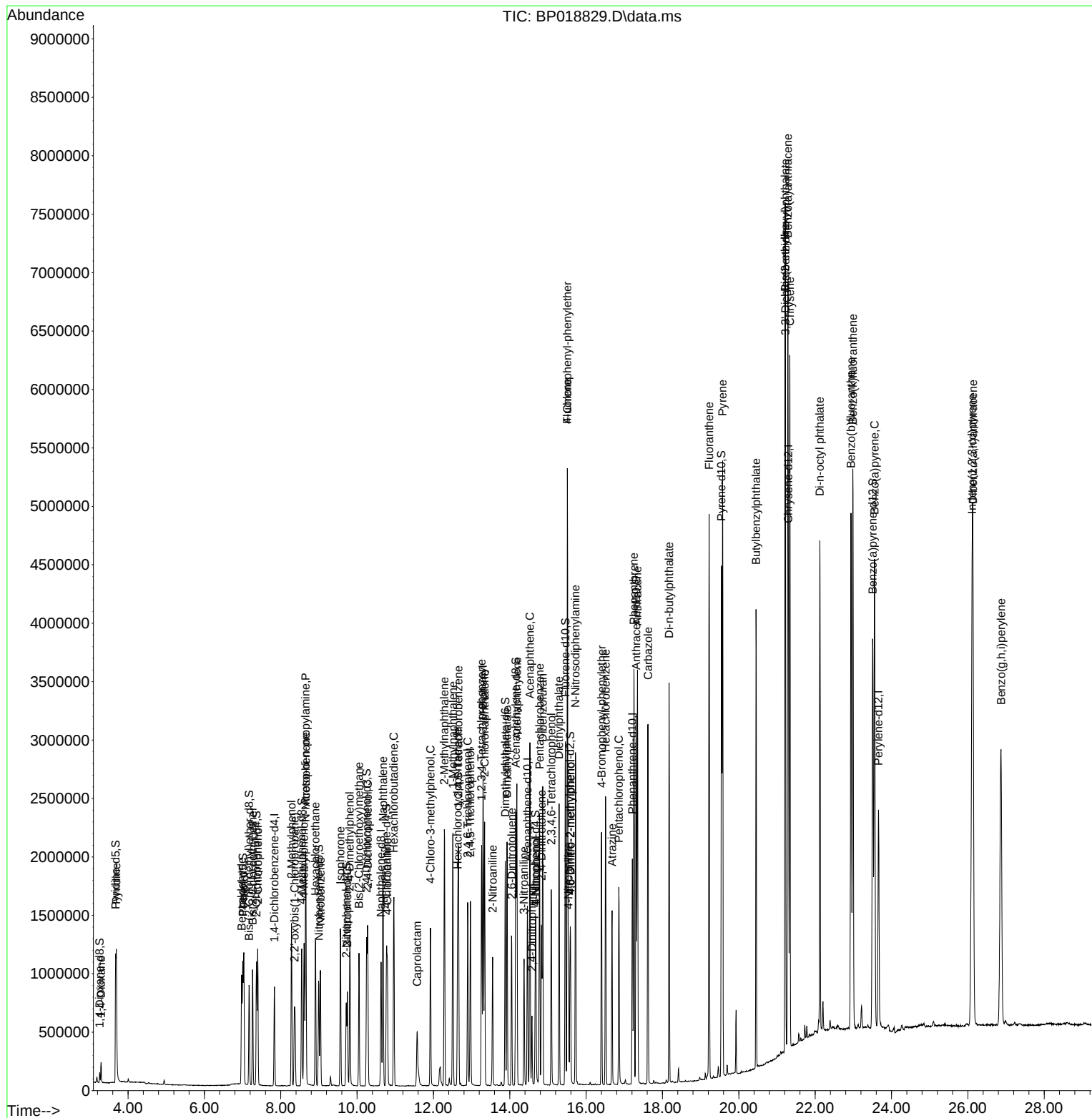
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.510	142	1030919	27.548	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.657	216	644738	34.274	ng/ul	98
40) Hexachlorocyclopentadiene	12.634	237	356590	31.982	ng/ul	99
41) 2,4,6-Trichlorophenol	12.898	196	381478	31.524	ng/ul	99
42) 2,4,5-Trichlorophenol	12.969	196	414110	31.566	ng/ul	99
43) 1,1'-Biphenyl	13.298	154	1378239	30.736	ng/ul	98
44) 2-Chloronaphthalene	13.340	162	1127187	31.827	ng/ul	98
45) 2-Nitroaniline	13.551	65	274705	28.612	ng/ul	92
47) Dimethylphthalate	13.928	163	1371758	30.115	ng/ul	99
48) 2,6-Dinitrotoluene	14.051	165	268072	31.150	ng/ul	91
50) Acenaphthylene	14.187	152	1775070	30.985	ng/ul	99
51) 3-Nitroaniline	14.375	138	262684	30.578	ng/ul	99
52) Acenaphthene	14.528	153	1169211	30.867	ng/ul	98
53) 2,4-Dinitrophenol	14.581	184	134622	29.516	ng/ul	93
55) 4-Nitrophenol	14.687	109	189365	32.998	ng/ul	93
56) Dibenzofuran	14.863	168	1647940	31.303	ng/ul	98
57) 2,4-Dinitrotoluene	14.834	165	398390	32.910	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.087	232	349642	31.773	ng/ul	95
59) Diethylphthalate	15.292	149	1336020	29.974	ng/ul	99
61) Fluorene	15.510	166	1323112	31.762	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.510	204	706199	32.324	ng/ul	94
63) 4-Nitroaniline	15.539	138	294508	35.986	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.592	198	238150	31.860	ng/ul	92
67) N-Nitrosodiphenylamine	15.722	169	1134115	29.352	ng/ul	98
68) 4-Bromophenyl-phenylether	16.404	248	453770	30.826	ng/ul	95
69) Hexachlorobenzene	16.510	284	530368	32.270	ng/ul	99
70) Atrazine	16.681	200	283168	24.651	ng/ul	99
71) Pentachlorophenol	16.857	266	312102	31.930	ng/ul	99
72) Phenanthrene	17.251	178	2210763	31.393	ng/ul	100
74) Anthracene	17.345	178	2246044	31.819	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.263	216	640659	31.776	ng/ul	99
76) Pentachlorobenzene	14.781	250	626383	31.628	ng/ul	99
77) Carbazole	17.622	167	2018440	35.878	ng/ul	99
78) Di-n-butylphthalate	18.175	149	2357311	31.468	ng/ul	99
80) Fluoranthene	19.222	202	2829355	23.942	ng/ul	98
82) Pyrene	19.575	202	2970007	24.912	ng/ul	96
83) Butylbenzylphthalate	20.451	149	1131502	25.925	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.222	252	1034534	33.147	ng/ul	99
85) Benzo(a)anthracene	21.286	228	3228329	30.968	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	1680609	28.016	ng/ul#	99
87) Chrysene	21.339	228	3011534	31.370	ng/ul	100
89) Di-n-octyl phthalate	22.121	149	2966085	27.496	ng/ul	100
90) Benzo(b)fluoranthene	22.939	252	3337026	30.633	ng/ul	99
91) Benzo(k)fluoranthene	22.986	252	3356217	31.842	ng/ul	99
93) Benzo(a)pyrene	23.557	252	3169936	31.847	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.110	276	3983166	33.493	ng/ul	96
95) Dibenzo(a,h)anthracene	26.133	278	3323618	33.595	ng/ul	97
96) Benzo(g,h,i)perylene	26.868	276	3203342	33.470	ng/ul	95

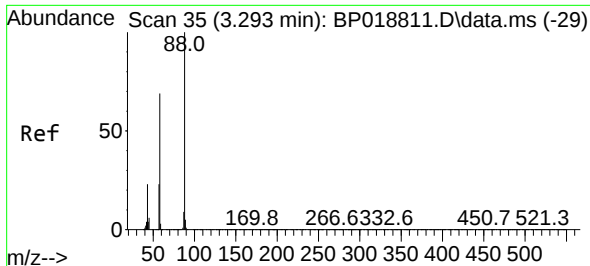
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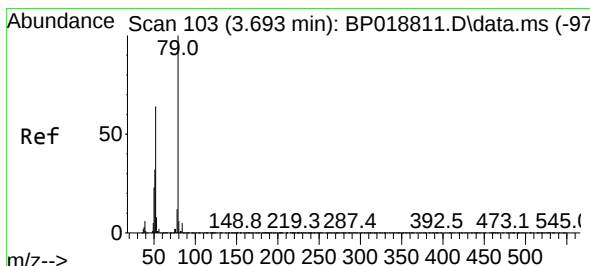
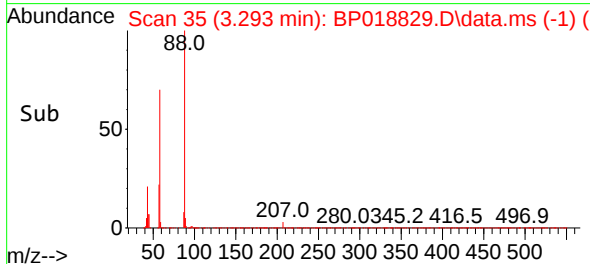
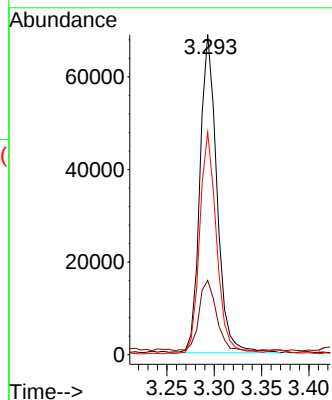
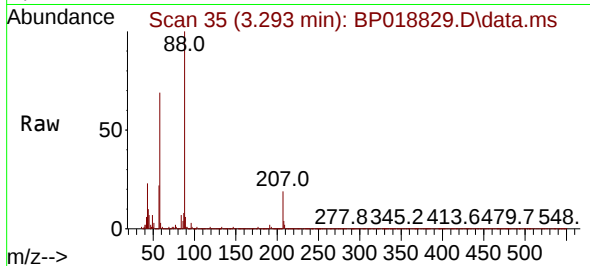




#2
 1,4-Dioxane
 Concen: 11.273 ng/uL
 RT: 3.293 min Scan# 35
 Delta R.T. 0.000 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

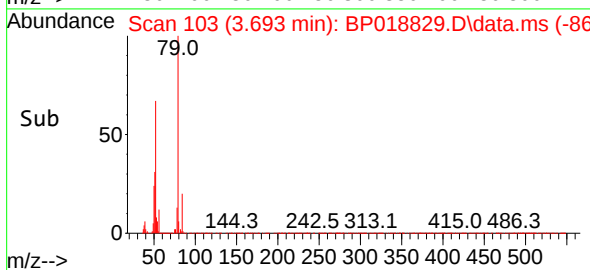
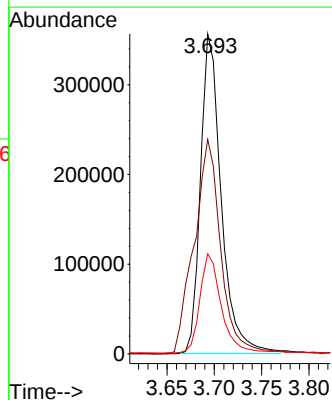
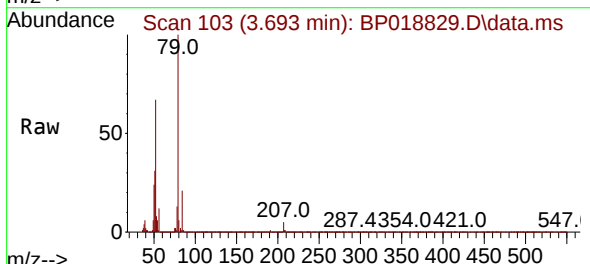
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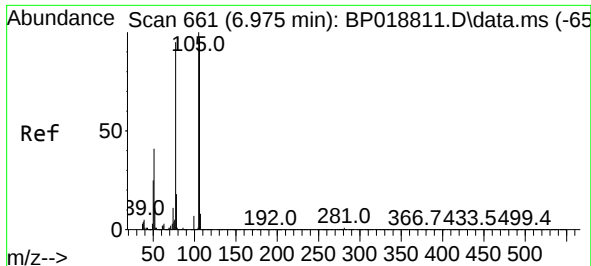
Tgt Ion: 88	Resp: 85452
Ion Ratio	Lower Upper
88 100	
43 23.2	21.8 32.6
58 69.5	56.5 84.7



#5
 Pyridine
 Concen: 29.045 ng/uL
 RT: 3.693 min Scan# 103
 Delta R.T. 0.000 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

Tgt Ion: 79	Resp: 543071
Ion Ratio	Lower Upper
79 100	
52 67.0	57.4 86.0
51 31.3	26.2 39.4

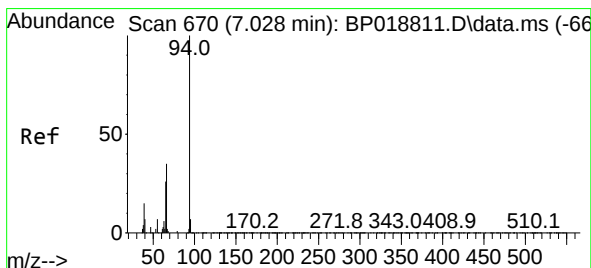
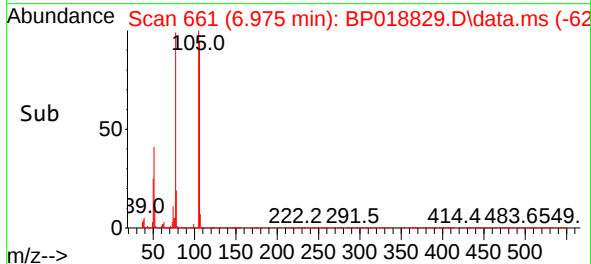
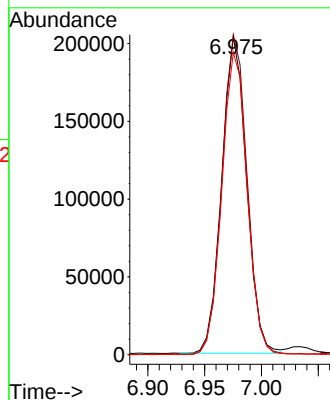
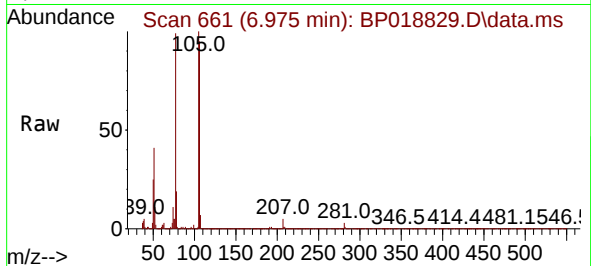




#6
Benzaldehyde
Concen: 25.307 ng/ul
RT: 6.975 min Scan# 601
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

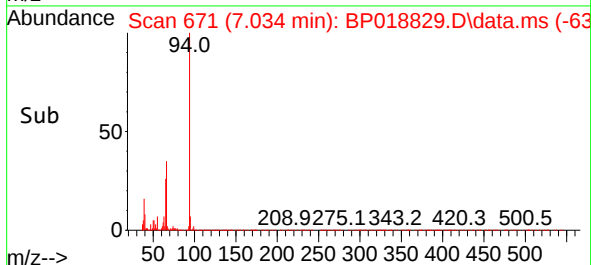
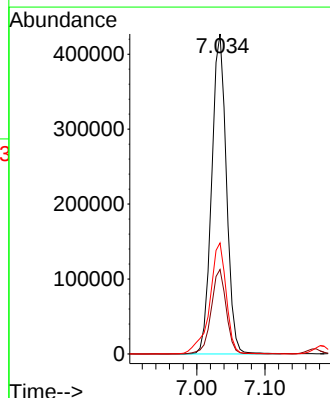
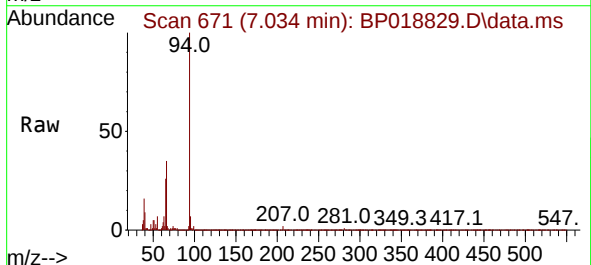
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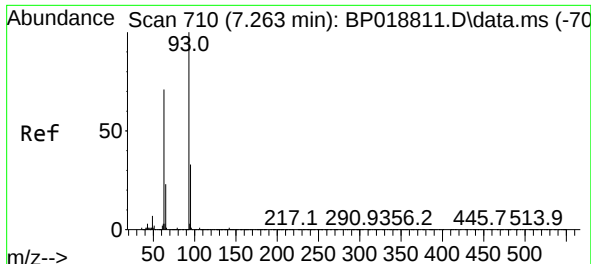
Tgt Ion: 77 Resp: 308861
Ion Ratio Lower Upper
77 100
105 100.7 77.9 116.9
106 95.2 74.6 111.8



#8
Phenol
Concen: 27.705 ng/ul
RT: 7.034 min Scan# 671
Delta R.T. 0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion: 94 Resp: 642261
Ion Ratio Lower Upper
94 100
65 26.4 21.0 31.6
66 34.7 28.6 43.0



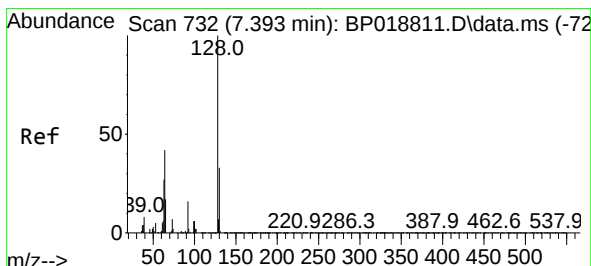
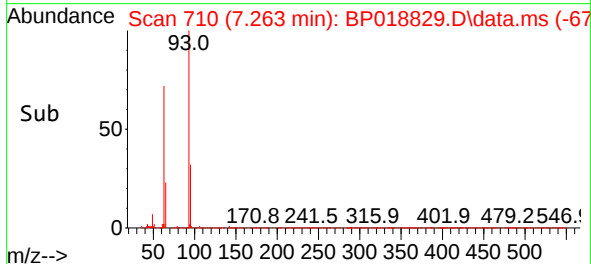
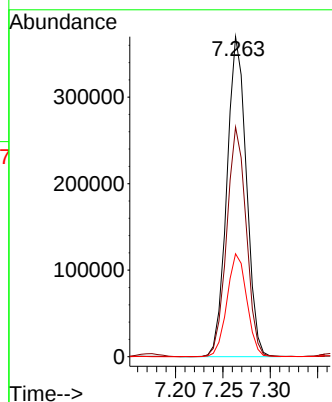
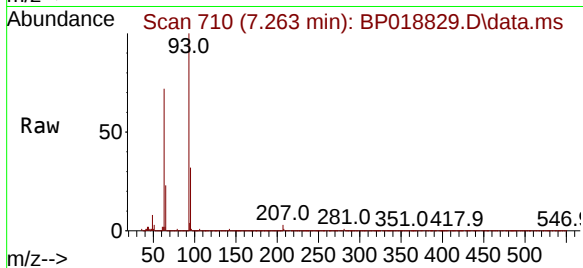


#10
 Bis(2-Chloroethyl)ether
 Concen: 27.813 ng/ul
 RT: 7.263 min Scan# 710
 Delta R.T. 0.000 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

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Tgt Ion: 93 Resp: 529515

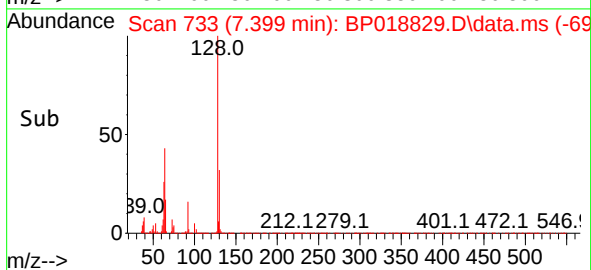
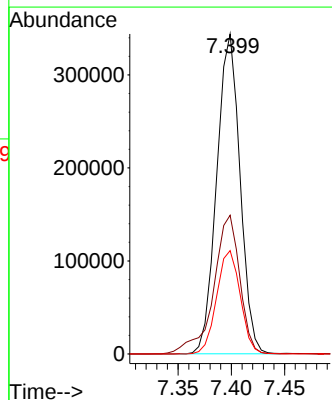
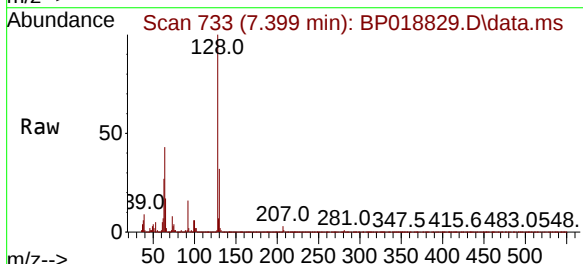
Ion	Ratio	Lower	Upper
93	100		
63	71.8	58.3	87.5
95	32.2	25.9	38.9

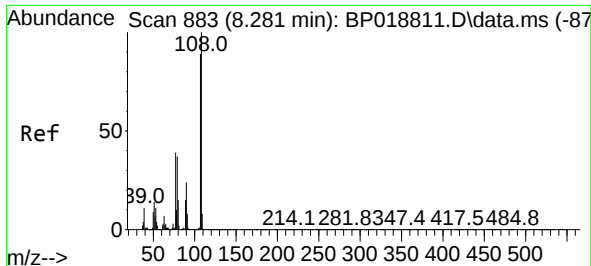


#12
 2-Chlorophenol
 Concen: 28.039 ng/ul
 RT: 7.399 min Scan# 733
 Delta R.T. 0.006 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

Tgt Ion:128 Resp: 523423

Ion	Ratio	Lower	Upper
128	100		
64	43.3	37.0	55.4
130	32.3	26.8	40.2

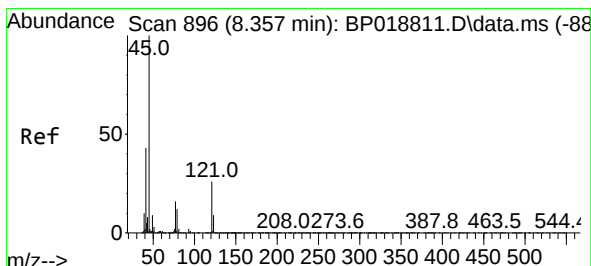
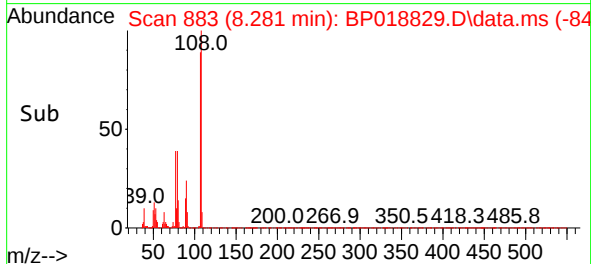
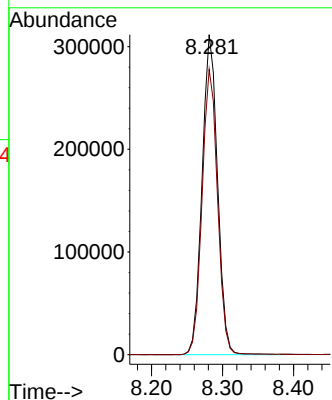
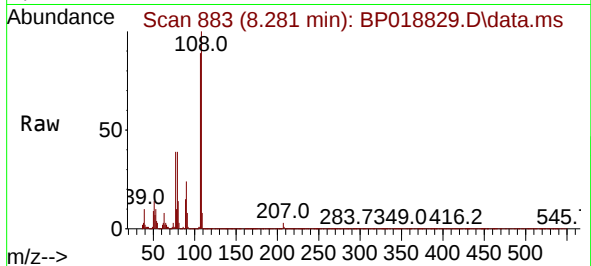




#13
2-Methylphenol
Concen: 26.617 ng/ul
RT: 8.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

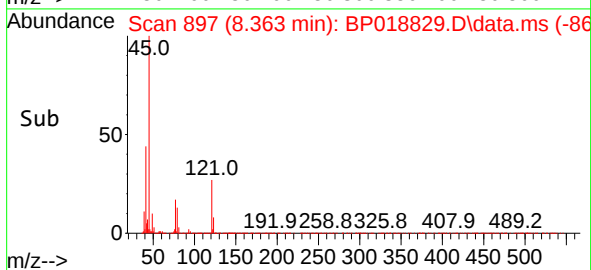
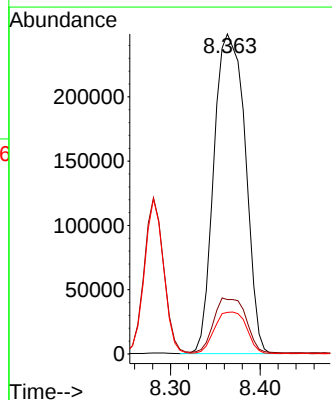
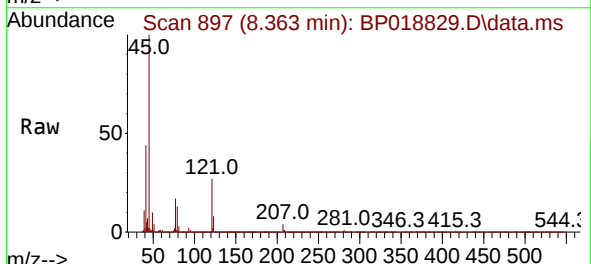
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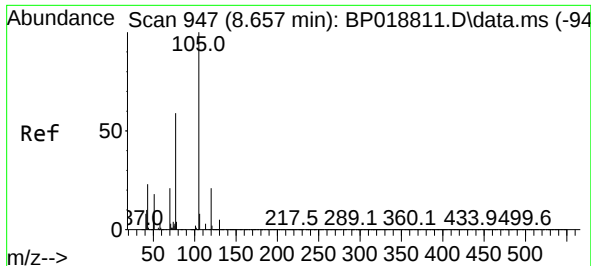
Tgt Ion:108 Resp: 472391
Ion Ratio Lower Upper
108 100
107 89.2 70.6 105.8



#14
2,2'-oxybis(1-Chloropropane)
Concen: 24.954 ng/ul
RT: 8.363 min Scan# 897
Delta R.T. 0.006 min
Lab File: BP018829.D
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Tgt Ion: 45 Resp: 602808
Ion Ratio Lower Upper
45 100
77 17.0 12.7 19.1
79 13.0 10.5 15.7

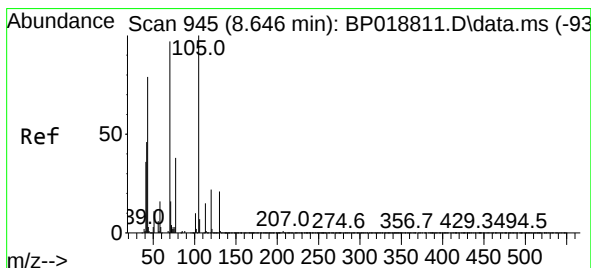
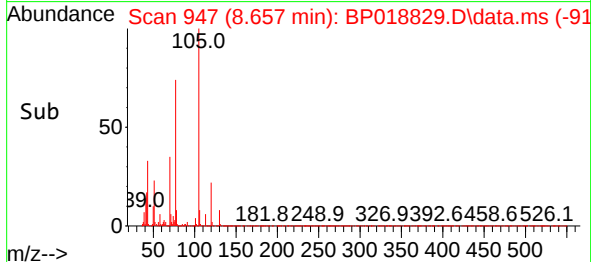
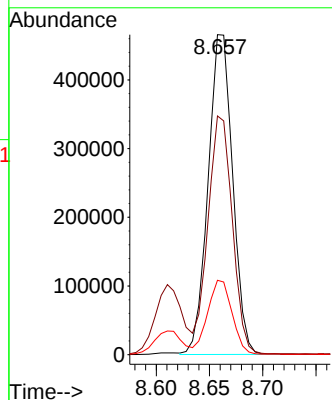
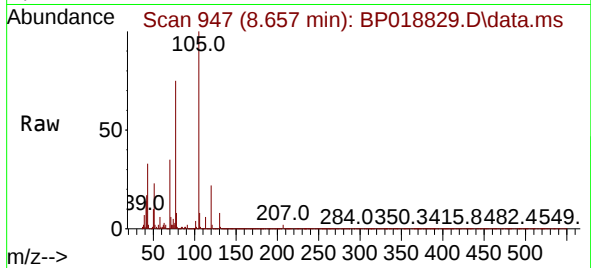




#16
Acetophenone
Concen: 26.185 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

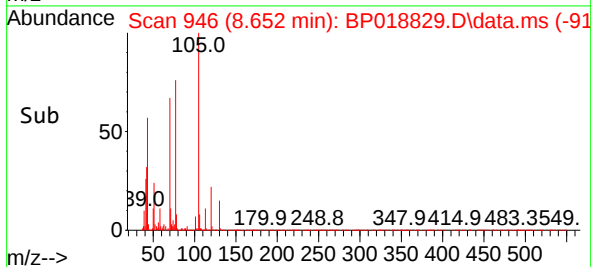
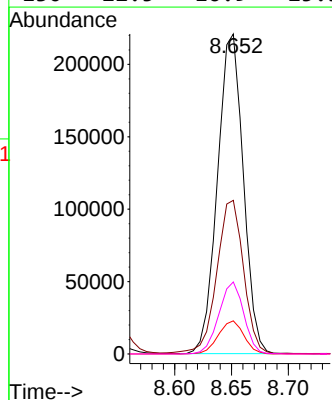
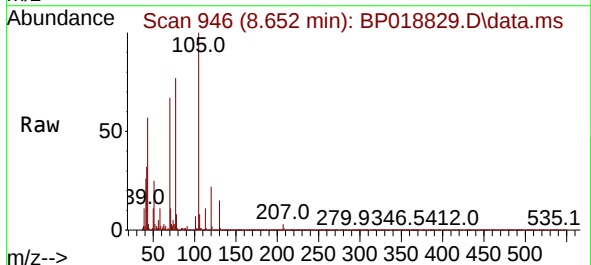
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ClientSampleId :
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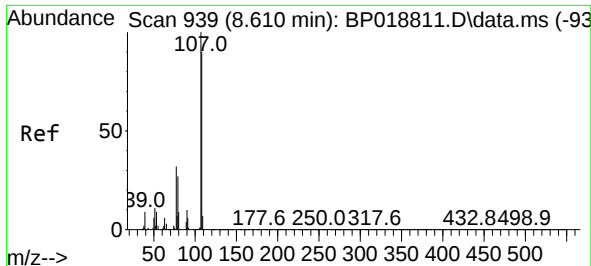
Tgt Ion:105 Resp: 746535
Ion Ratio Lower Upper
105 100
77 74.6 59.4 89.0
51 23.2 19.4 29.0



#17
N-Nitroso-di-n-propylamine
Concen: 22.260 ng/ul
RT: 8.652 min Scan# 946
Delta R.T. 0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion: 70 Resp: 349137
Ion Ratio Lower Upper
70 100
42 48.0 41.0 61.4
101 10.4 7.8 11.8
130 22.5 16.9 25.3

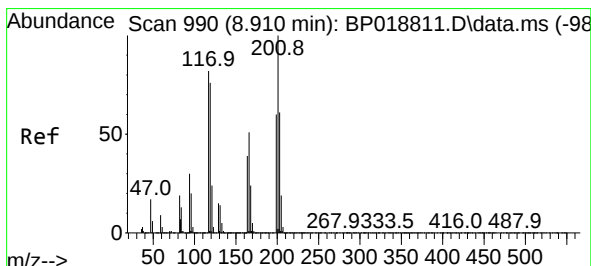
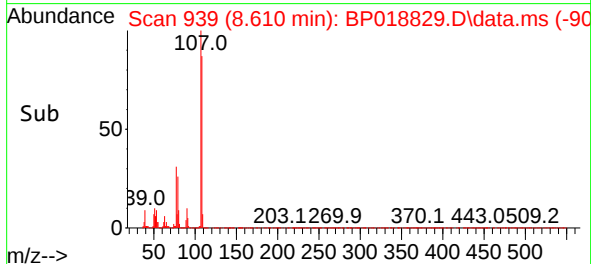
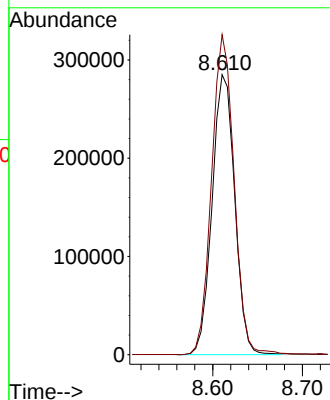
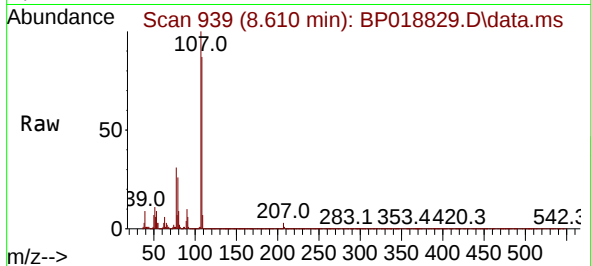




#18
4-Methylphenol
Concen: 25.739 ng/ul
RT: 8.610 min Scan# 911
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

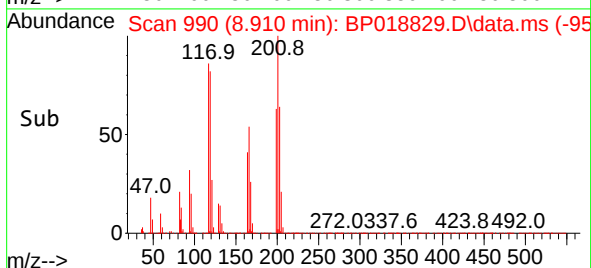
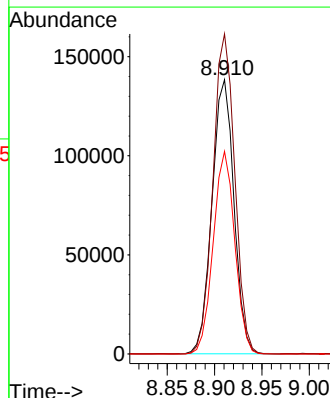
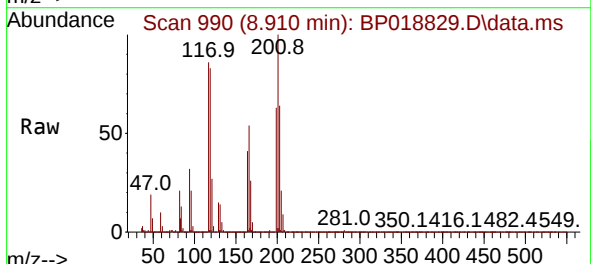
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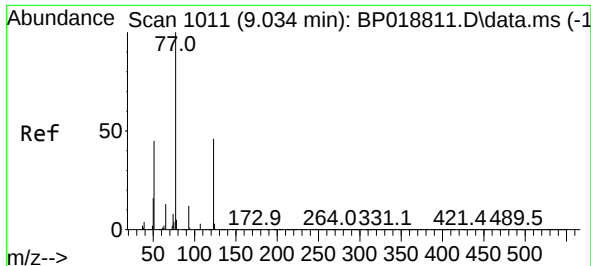
Tgt Ion:108 Resp: 498811
Ion Ratio Lower Upper
108 100
107 114.3 90.6 136.0



#19
Hexachloroethane
Concen: 29.128 ng/ul
RT: 8.910 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:117 Resp: 222922
Ion Ratio Lower Upper
117 100
201 116.7 83.7 125.5
199 73.9 52.3 78.5

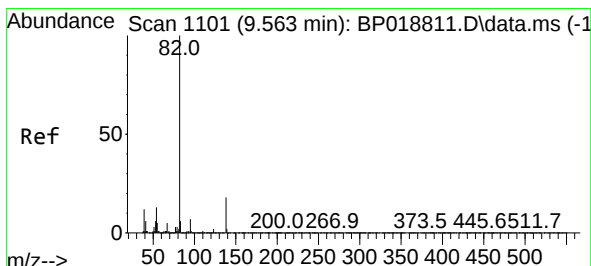
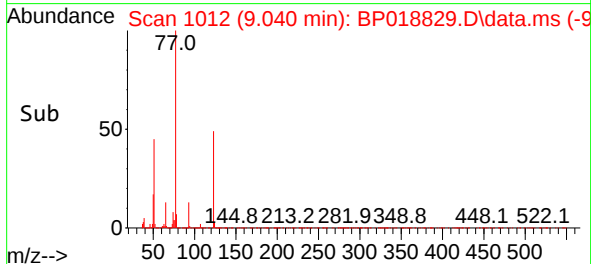
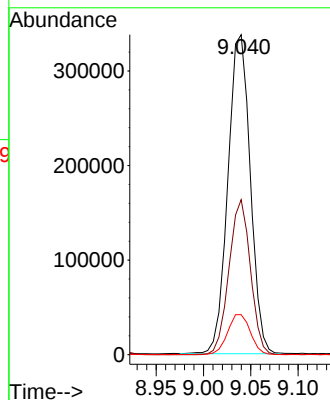
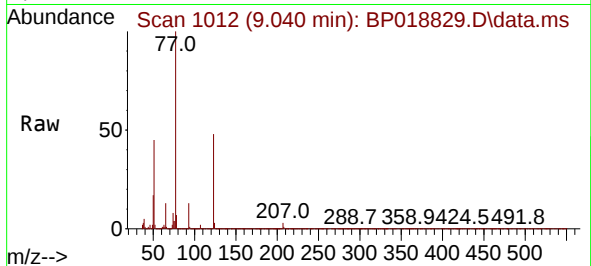




#22
Nitrobenzene
Concen: 29.742 ng/ul
RT: 9.040 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

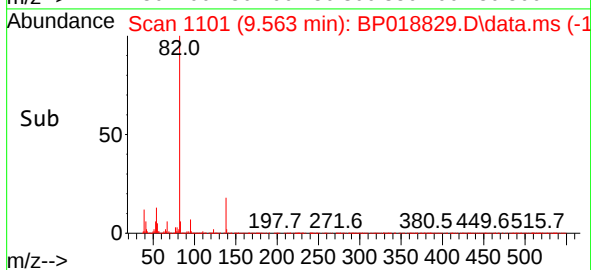
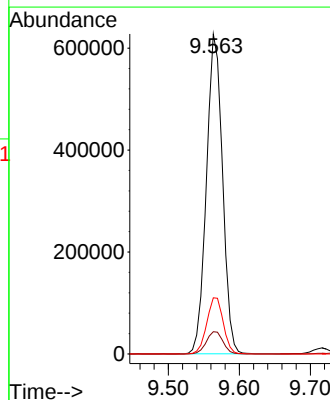
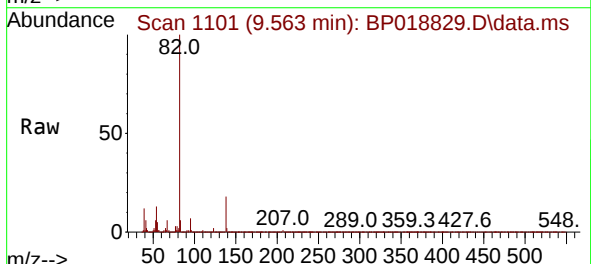
Instrument :
BNA_P
ClientSampleId :
SLCS657

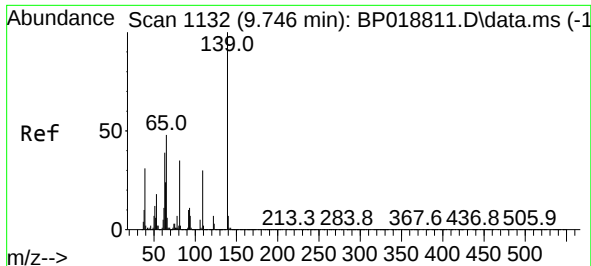
Tgt Ion: 77 Resp: 554946
Ion Ratio Lower Upper
77 100
123 48.5 35.8 53.8
65 12.5 10.5 15.7



#23
Isophorone
Concen: 26.042 ng/ul
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion: 82 Resp: 990718
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.5 13.5 20.3

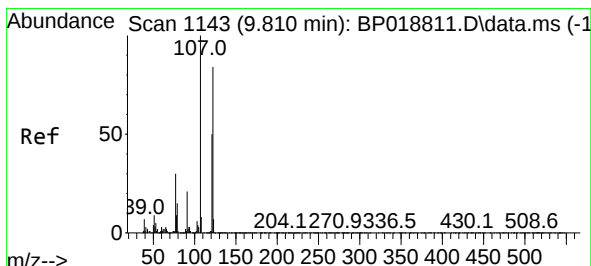
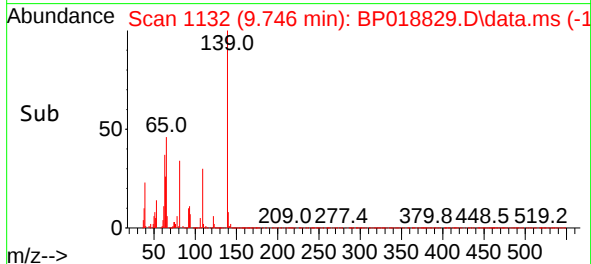
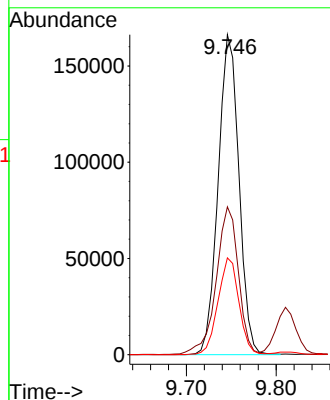
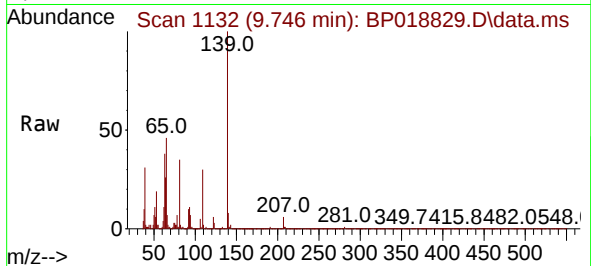




#25
2-Nitrophenol
Concen: 31.348 ng/ul
RT: 9.746 min Scan# 1132
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

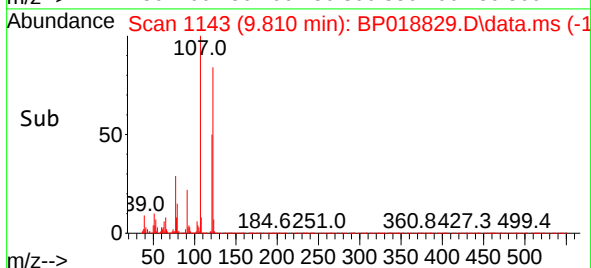
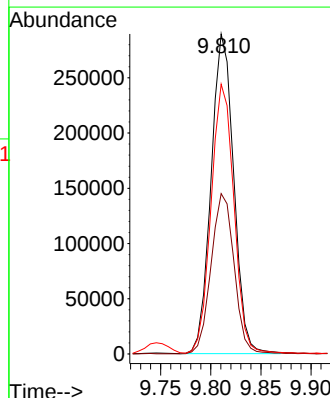
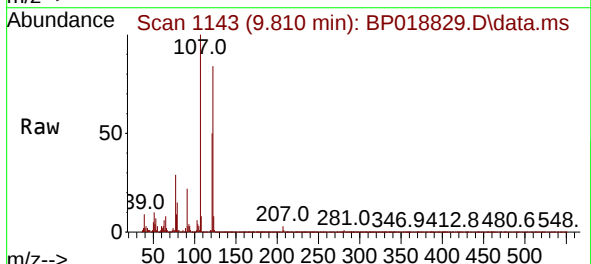
Instrument :
BNA_P
ClientSampleId :
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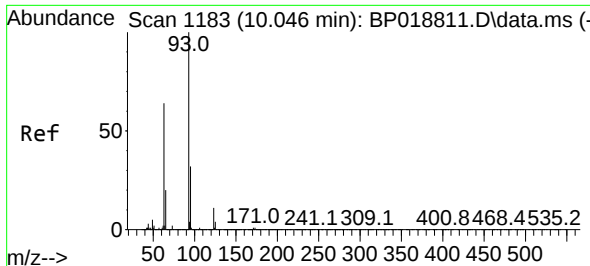
Tgt Ion:139 Resp: 267054
Ion Ratio Lower Upper
139 100
65 46.2 39.1 58.7
109 30.3 23.8 35.6



#26
2,4-Dimethylphenol
Concen: 27.309 ng/ul
RT: 9.810 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:107 Resp: 455012
Ion Ratio Lower Upper
107 100
121 50.1 40.0 60.0
122 84.3 69.1 103.7

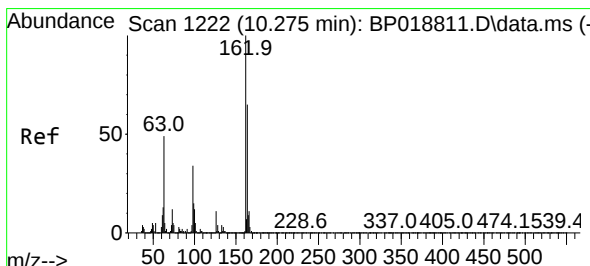
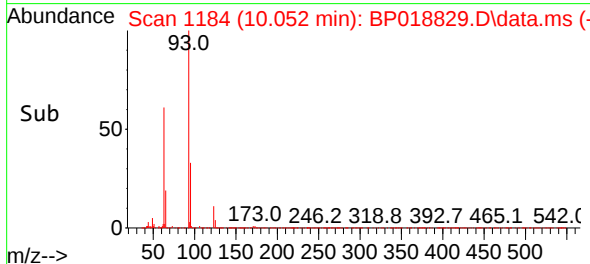
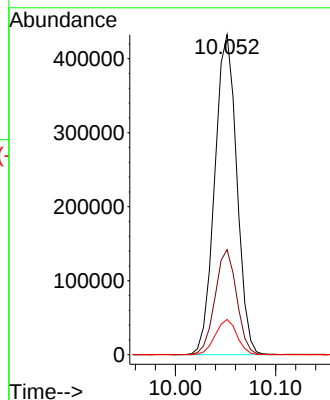
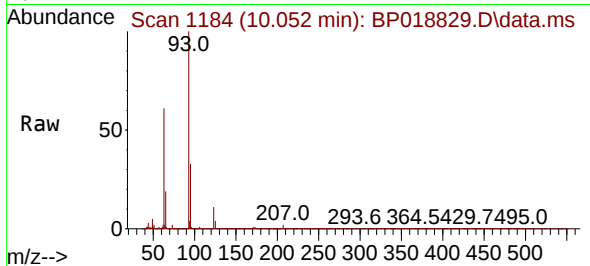




#27
 Bis(2-Chloroethoxy)methane
 Concen: 27.505 ng/ul
 RT: 10.052 min Scan# 1184
 Delta R.T. 0.006 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

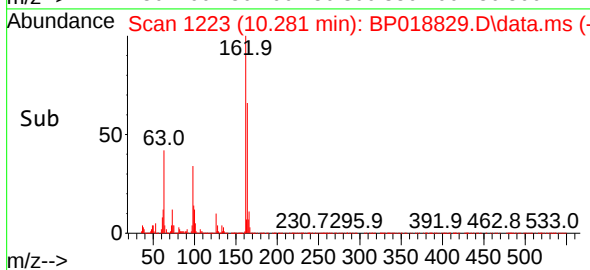
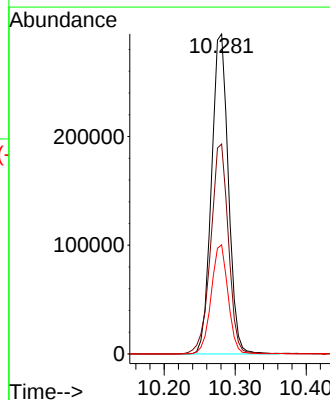
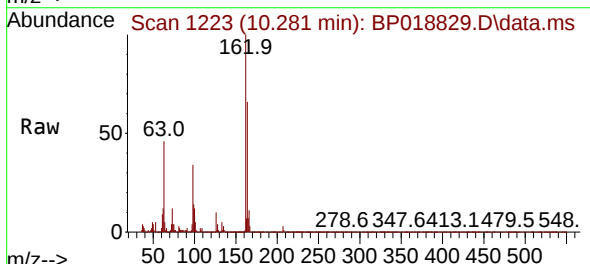
Instrument :
 BNA_P
 ClientSampleId :
 SLCS657

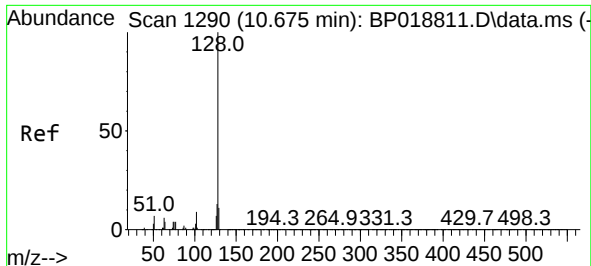
Tgt Ion: 93	Resp: 660615
Ion Ratio	Lower Upper
93 100	
95 32.8	26.1 39.1
123 11.0	8.9 13.3



#29
 2,4-Dichlorophenol
 Concen: 30.999 ng/ul
 RT: 10.281 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

Tgt Ion:162	Resp: 485783		
Ion Ratio	Lower	Upper	
162 100			
164 65.6	51.7	77.5	
98 34.1	29.2	43.8	

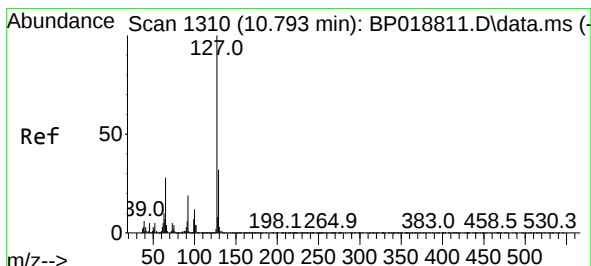
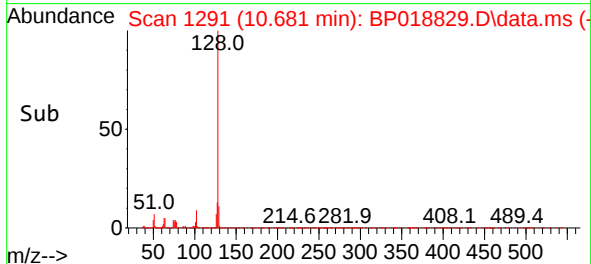
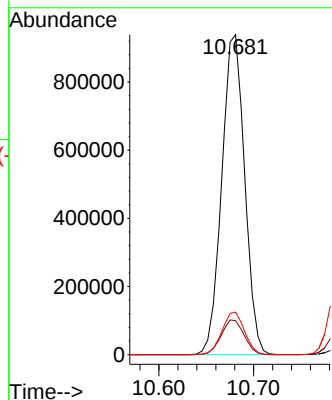
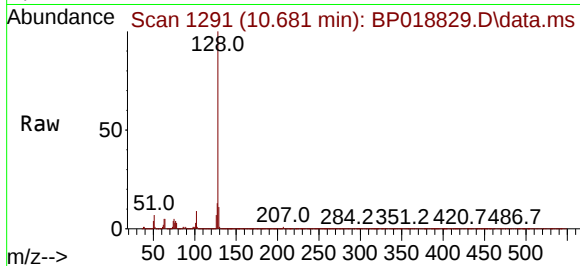




#30
Naphthalene
Concen: 30.158 ng/ul
RT: 10.681 min Scan# 1290
Delta R.T. 0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

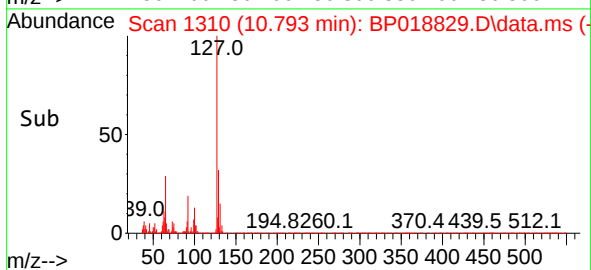
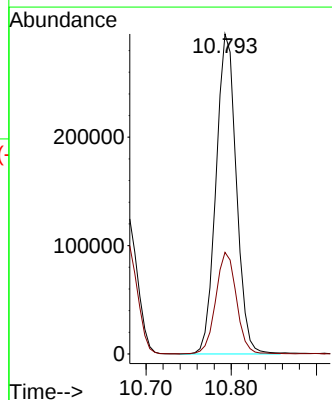
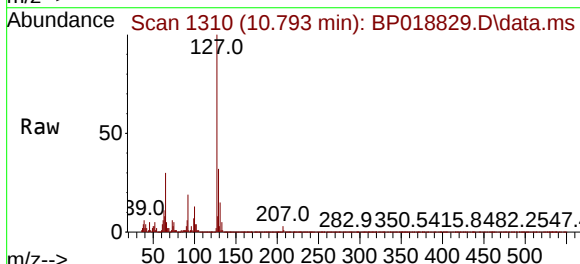
Instrument :
BNA_P
ClientSampleId :
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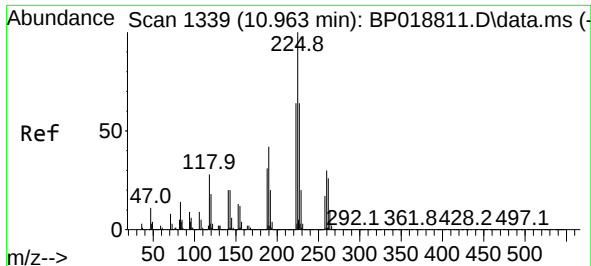
Tgt Ion:128 Resp: 1577484
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.3 10.5 15.7



#32
4-Chloroaniline
Concen: 24.092 ng/ul
RT: 10.793 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:127 Resp: 488216
Ion Ratio Lower Upper
127 100
129 31.8 25.6 38.4

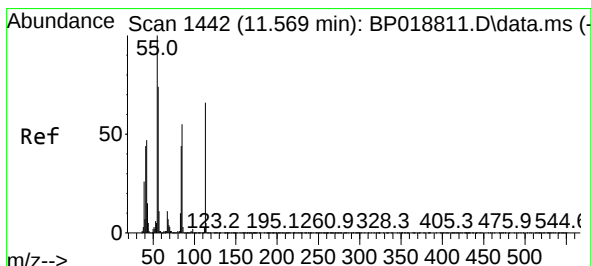
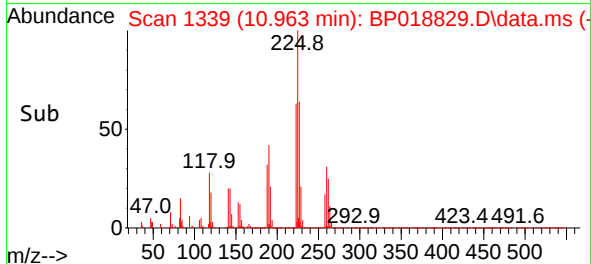
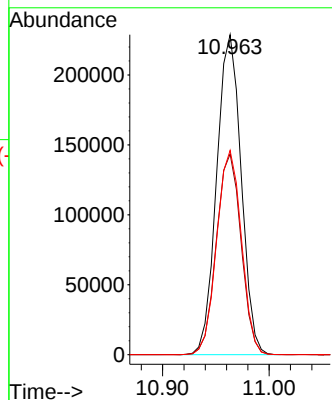
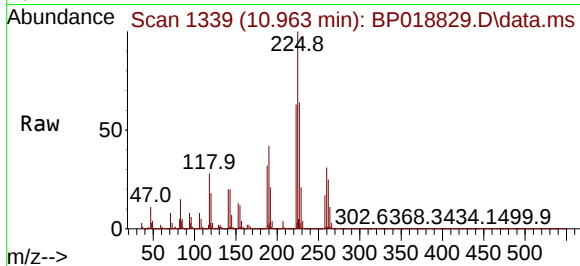




#33
Hexachlorobutadiene
Concen: 34.819 ng/ul
RT: 10.963 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

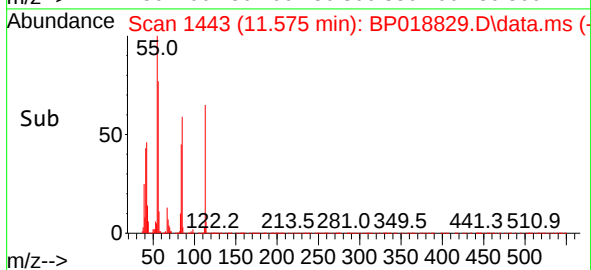
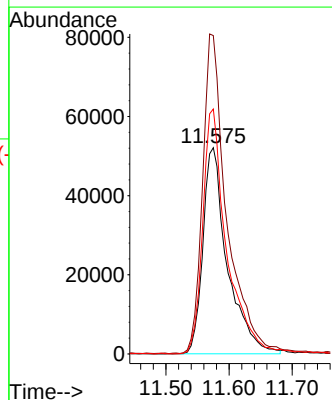
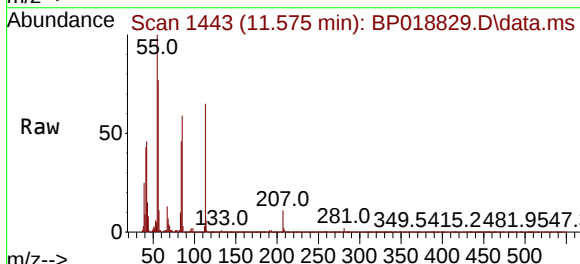
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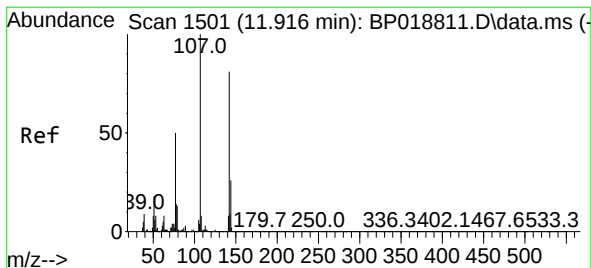
Tgt Ion:225 Resp: 365427
Ion Ratio Lower Upper
225 100
223 62.7 49.5 74.3
227 63.8 50.9 76.3



#34
Caprolactam
Concen: 29.135 ng/ul
RT: 11.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:113 Resp: 140000
Ion Ratio Lower Upper
113 100
55 154.4 133.7 200.5
56 118.8 97.4 146.2

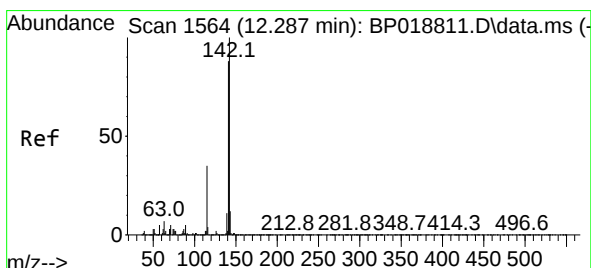
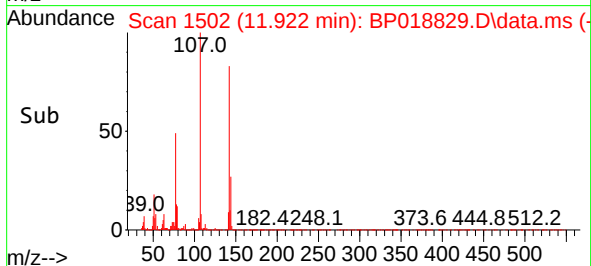
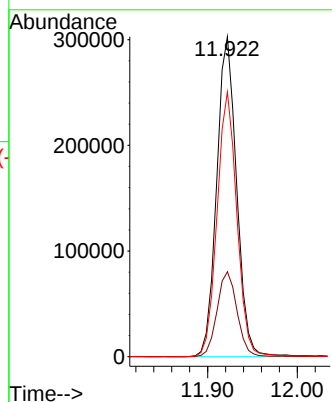
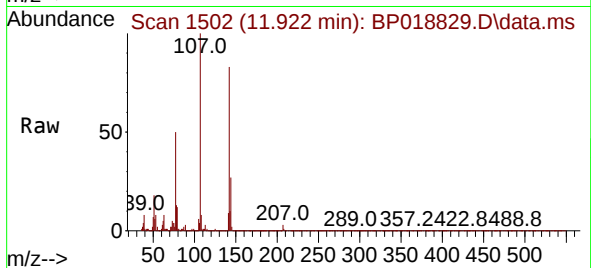




#35
4-Chloro-3-methylphenol
Concen: 26.554 ng/ul
RT: 11.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

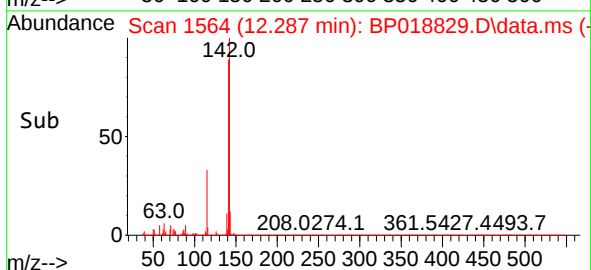
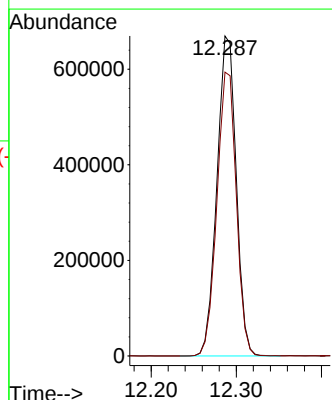
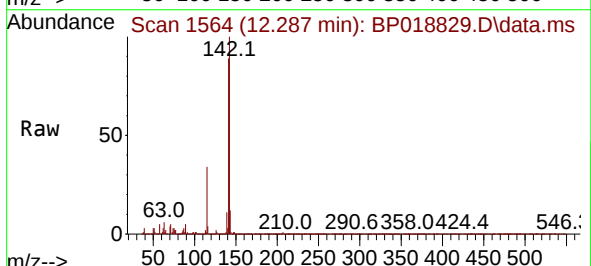
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ClientSampleId :
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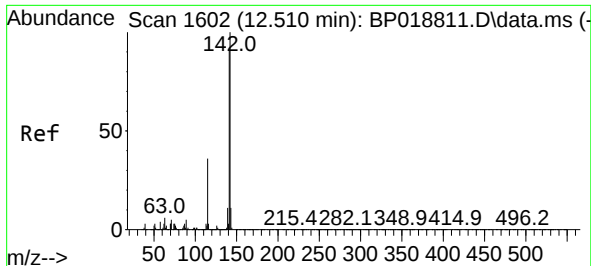
Tgt Ion:107 Resp: 466168
Ion Ratio Lower Upper
107 100
144 26.6 21.0 31.6
142 82.7 63.6 95.4



#36
2-Methylnaphthalene
Concen: 28.368 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:142 Resp: 1051235
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.0

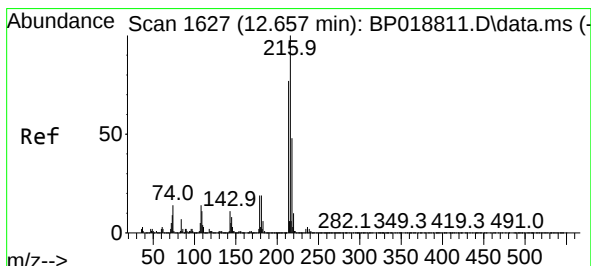
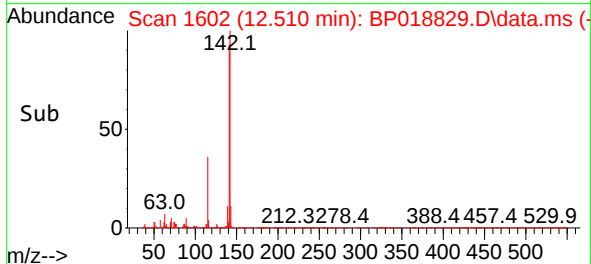
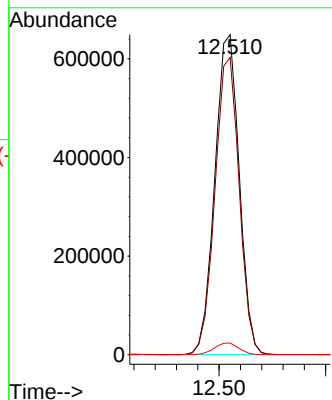
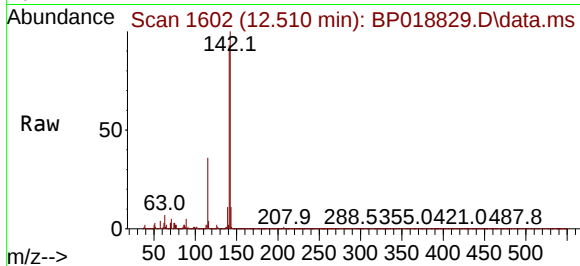




#37
1-Methylnaphthalene
Concen: 27.548 ng/ul
RT: 12.510 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

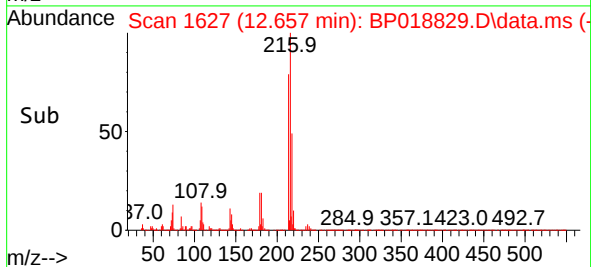
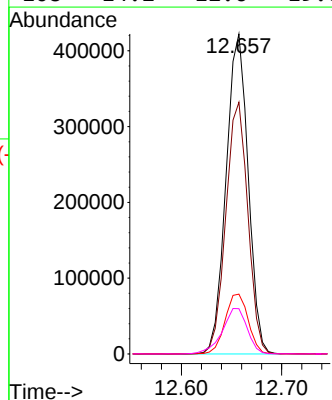
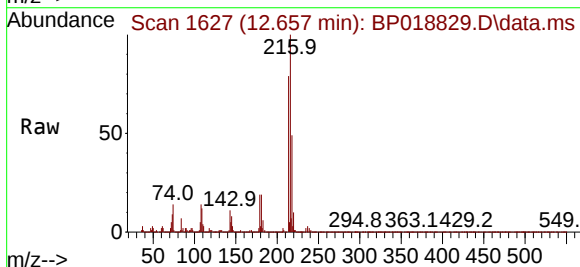
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ClientSampleId :
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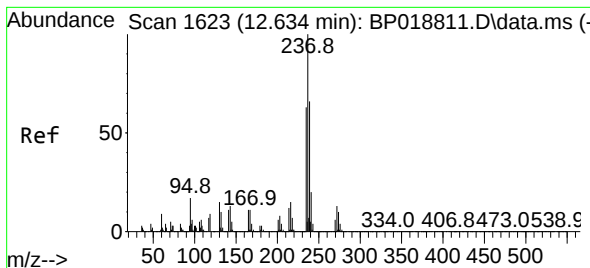
Tgt Ion:142 Resp: 1030919
Ion Ratio Lower Upper
142 100
141 92.9 73.5 110.3
116 3.7 2.8 4.2



#39
1,2,4,5-Tetrachlorobenzene
Concen: 34.274 ng/ul
RT: 12.657 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:216 Resp: 644738
Ion Ratio Lower Upper
216 100
214 78.7 63.9 95.9
179 18.7 16.3 24.5
108 14.2 12.6 19.0





#40

Hexachlorocyclopentadiene

Concen: 31.982 ng/ul

RT: 12.634 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

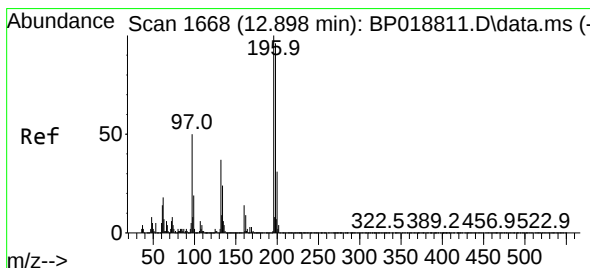
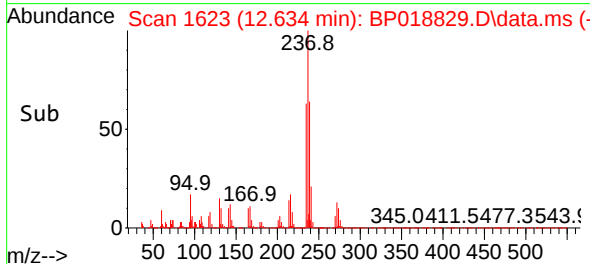
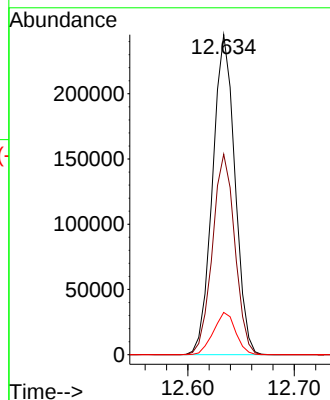
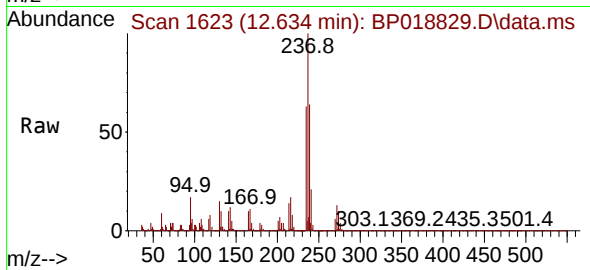
Tgt Ion:237 Resp: 356590

Ion Ratio Lower Upper

237 100

235 62.7 49.4 74.0

272 13.2 9.8 14.8



#41

2,4,6-Trichlorophenol

Concen: 31.524 ng/ul

RT: 12.898 min Scan# 1668

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

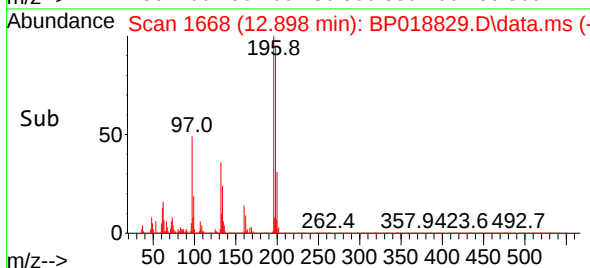
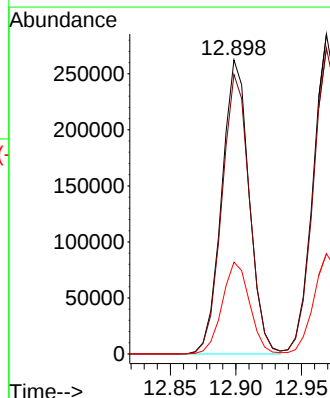
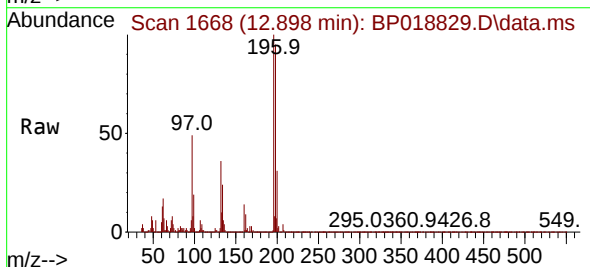
Tgt Ion:196 Resp: 381478

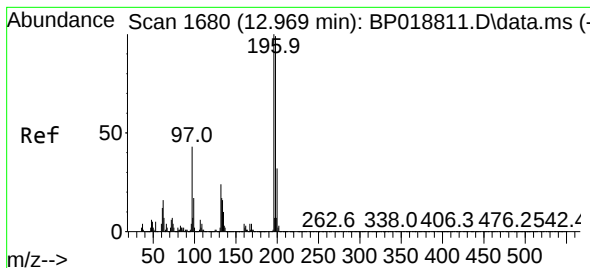
Ion Ratio Lower Upper

196 100

198 95.0 76.9 115.3

200 31.2 25.0 37.6





#42

2,4,5-Trichlorophenol

Concen: 31.566 ng/ul

RT: 12.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

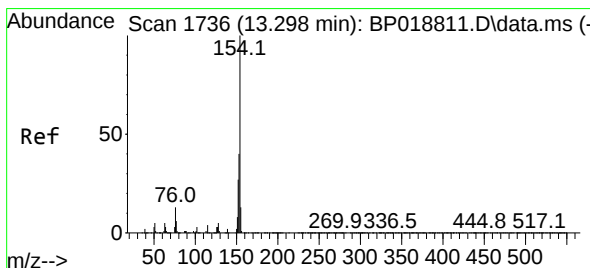
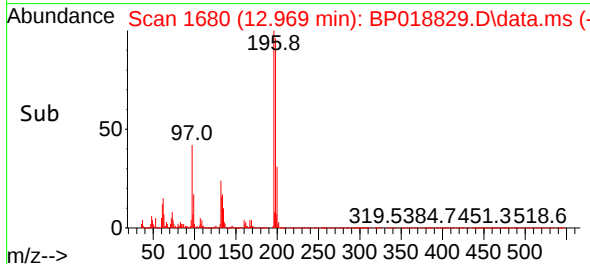
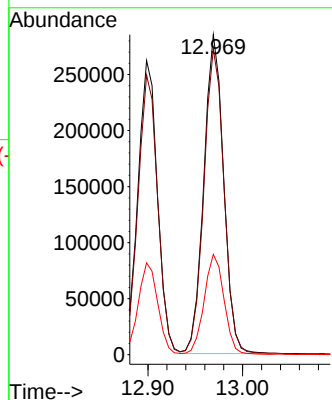
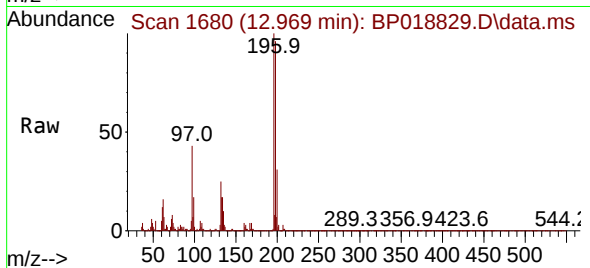
Tgt Ion:196 Resp: 414110

Ion Ratio Lower Upper

196 100

198 95.6 77.9 116.9

200 31.3 25.2 37.8



#43

1,1'-Biphenyl

Concen: 30.736 ng/ul

RT: 13.298 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

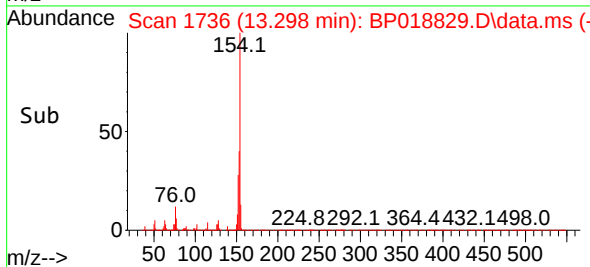
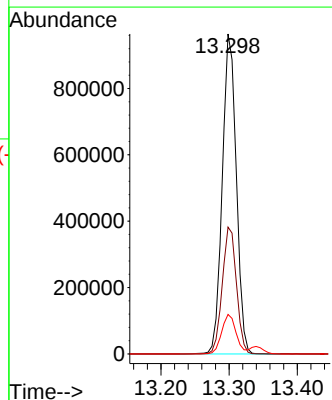
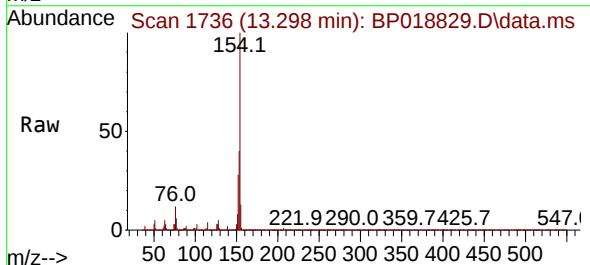
Tgt Ion:154 Resp: 1378239

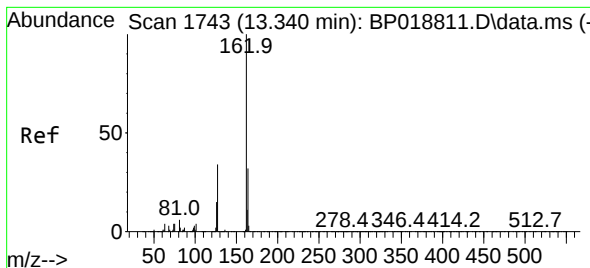
Ion Ratio Lower Upper

154 100

153 39.7 32.8 49.2

76 12.3 10.7 16.1





#44

2-Chloronaphthalene

Concen: 31.827 ng/ul

RT: 13.340 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

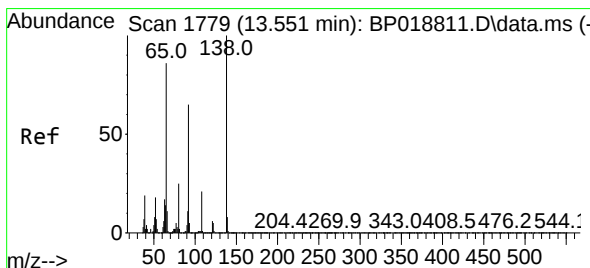
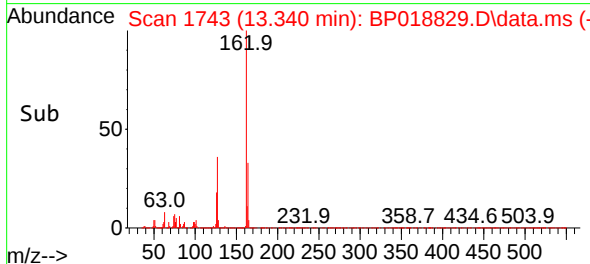
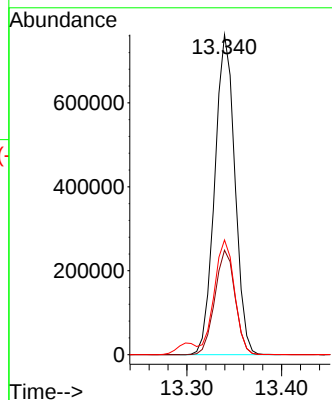
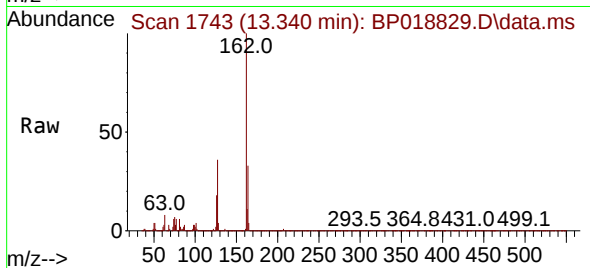
Tgt Ion:162 Resp: 1127187

Ion Ratio Lower Upper

162 100

164 32.7 25.7 38.5

127 35.9 30.3 45.5



#45

2-Nitroaniline

Concen: 28.612 ng/ul

RT: 13.551 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

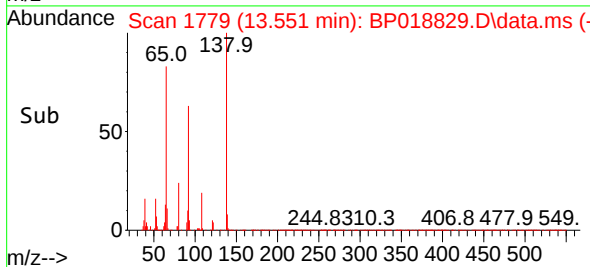
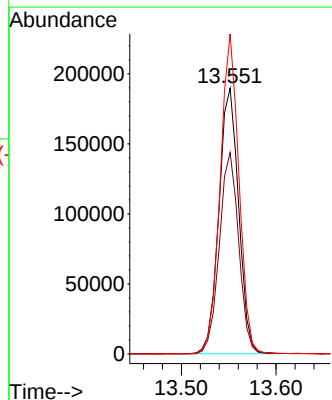
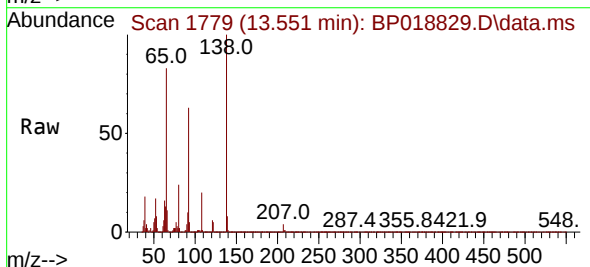
Tgt Ion: 65 Resp: 274705

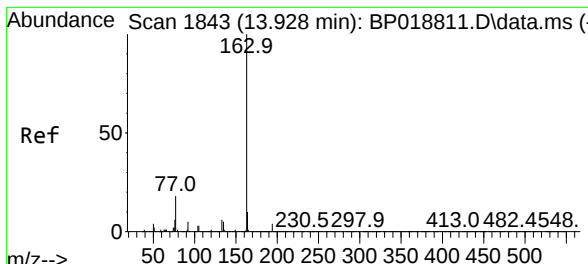
Ion Ratio Lower Upper

65 100

92 75.8 56.9 85.3

138 120.4 88.2 132.2



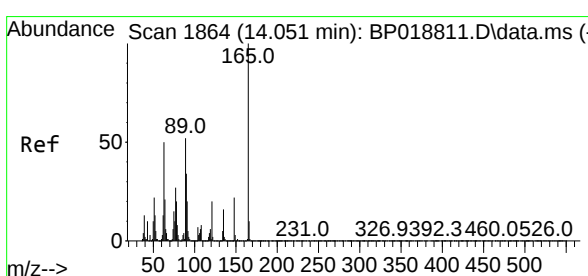
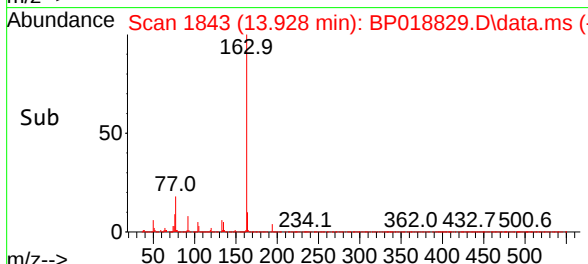
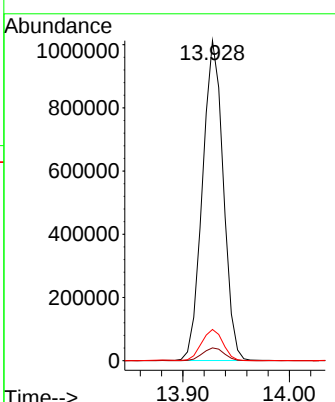
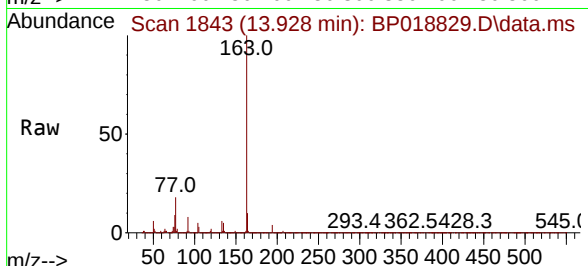


#47
 Dimethylphthalate
 Concen: 30.115 ng/ul
 RT: 13.928 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

Instrument :
 BNA_P
 ClientSampleId :
 SLCS657

Tgt Ion:163 Resp: 1371758

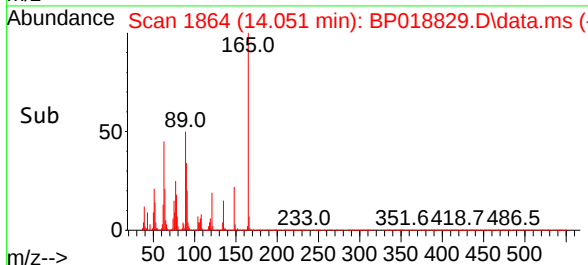
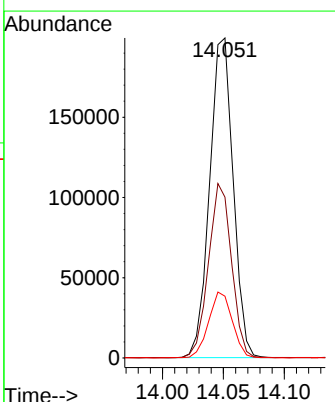
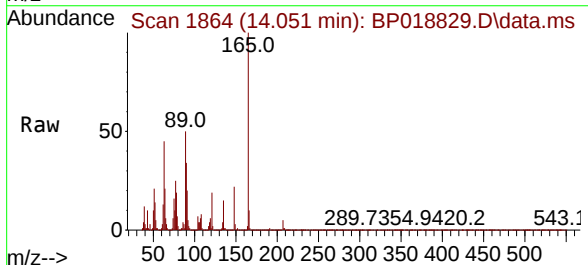
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	9.7	8.0	12.0

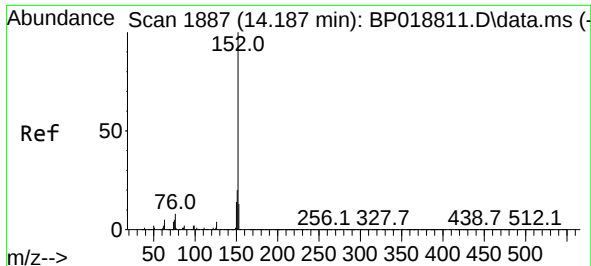


#48
 2,6-Dinitrotoluene
 Concen: 31.150 ng/ul
 RT: 14.051 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

Tgt Ion:165 Resp: 268072

Ion	Ratio	Lower	Upper
165	100		
89	50.2	46.6	70.0
121	19.3	17.3	25.9

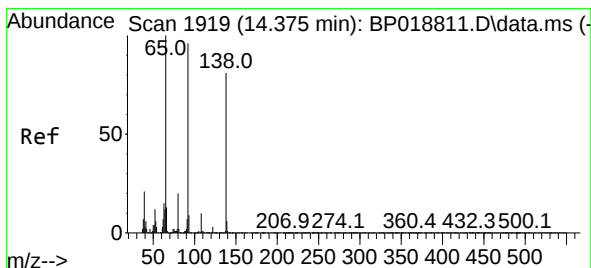
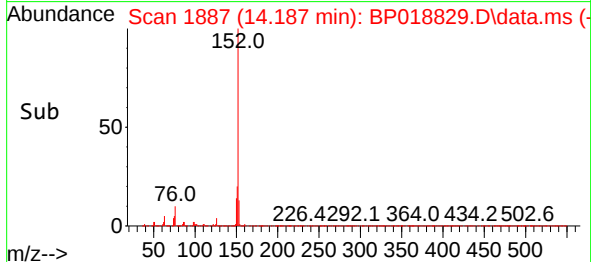
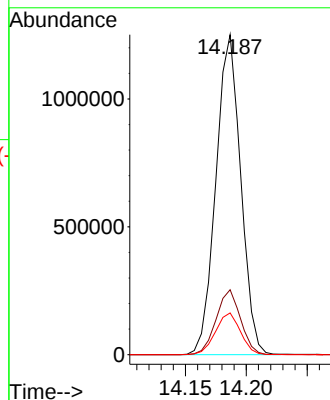
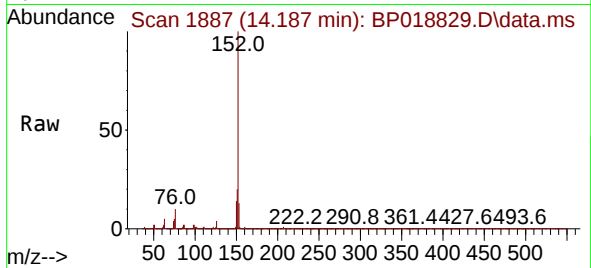




#50
Acenaphthylene
Concen: 30.985 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

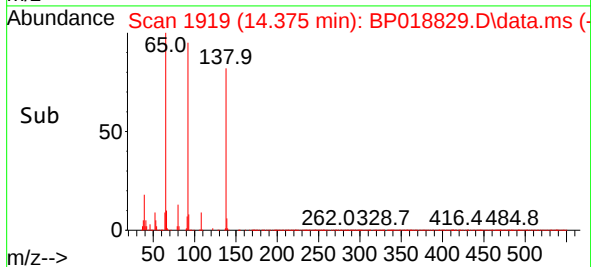
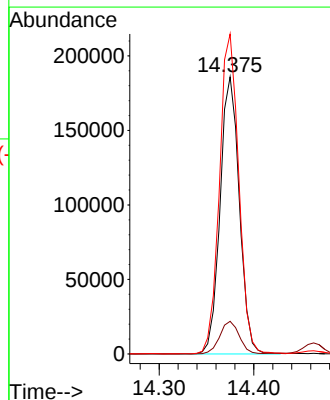
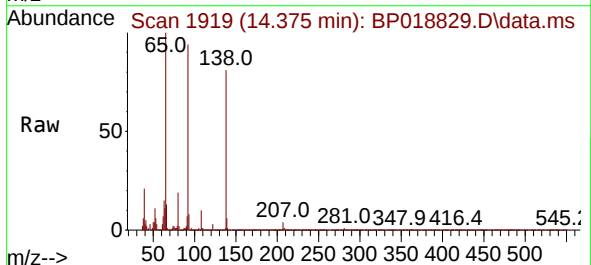
Instrument :
BNA_P
ClientSampleId :
SLCS657

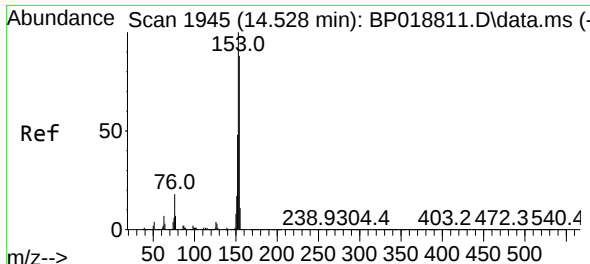
Tgt Ion:152 Resp: 1775070
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.0 10.6 16.0



#51
3-Nitroaniline
Concen: 30.578 ng/ul
RT: 14.375 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:138 Resp: 262684
Ion Ratio Lower Upper
138 100
108 11.8 9.5 14.3
92 115.5 93.1 139.7

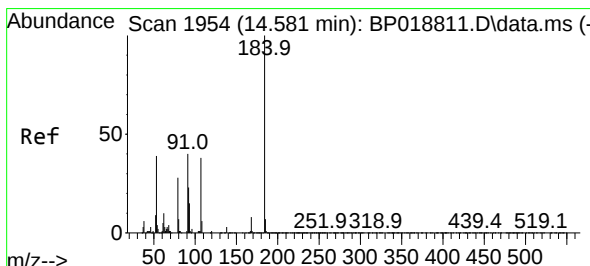
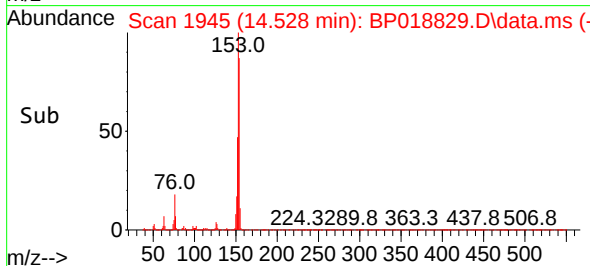
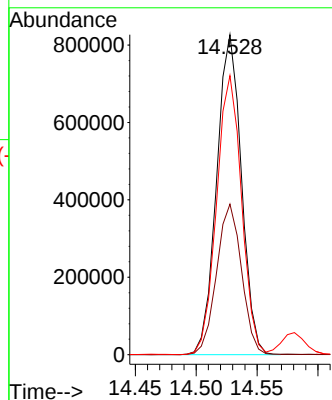
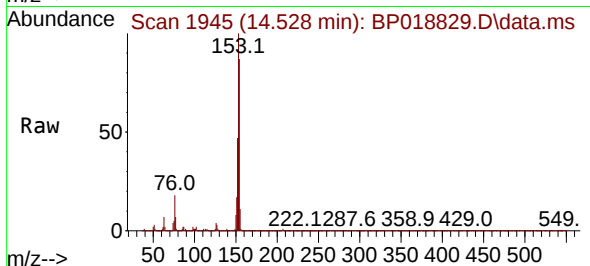




#52
Acenaphthene
Concen: 30.867 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

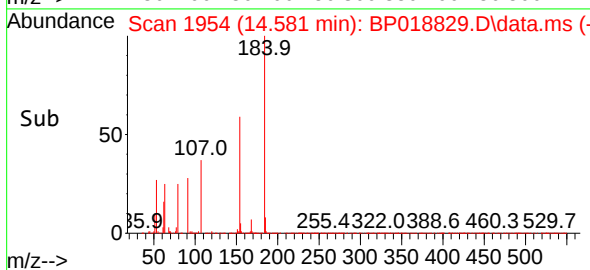
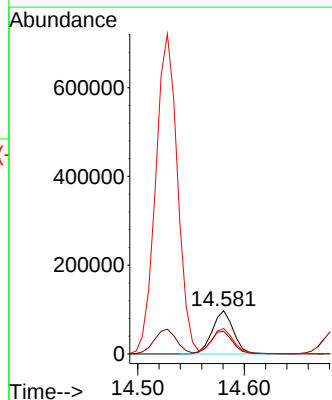
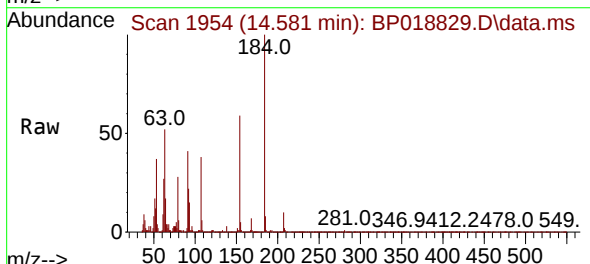
Instrument :
BNA_P
ClientSampleId :
SLCS657

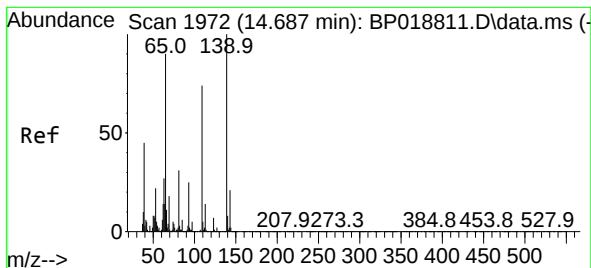
Tgt Ion:153 Resp: 1169211
Ion Ratio Lower Upper
153 100
152 47.1 38.1 57.1
154 87.2 71.7 107.5



#53
2,4-Dinitrophenol
Concen: 29.516 ng/ul
RT: 14.581 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:184 Resp: 134622
Ion Ratio Lower Upper
184 100
63 52.1 48.2 72.4
154 58.6 49.1 73.7

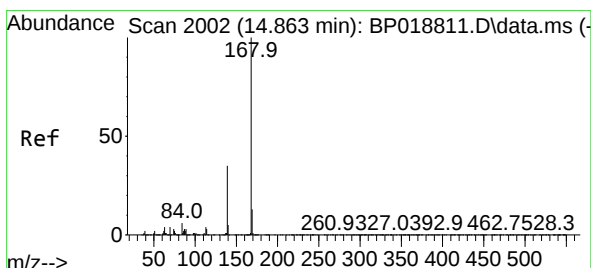
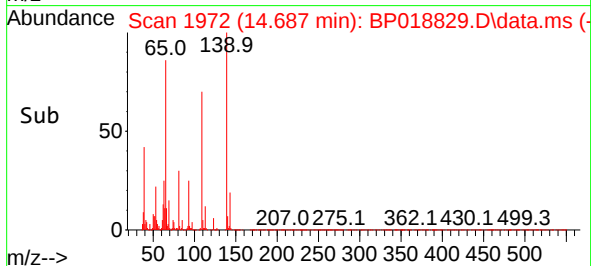
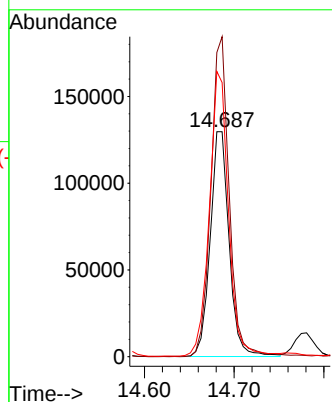
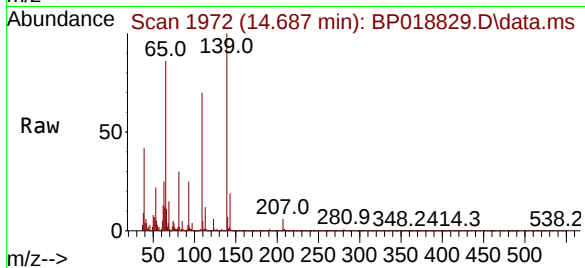




#55
4-Nitrophenol
Concen: 32.998 ng/ul
RT: 14.687 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

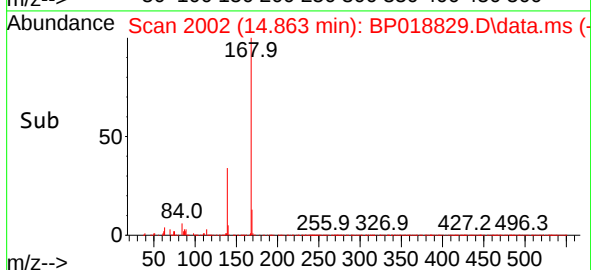
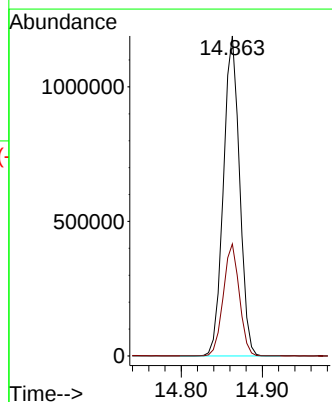
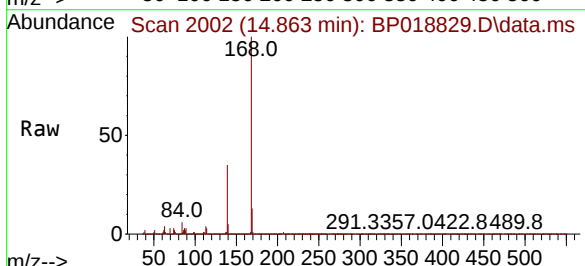
Instrument :
BNA_P
ClientSampleId :
SLCS657

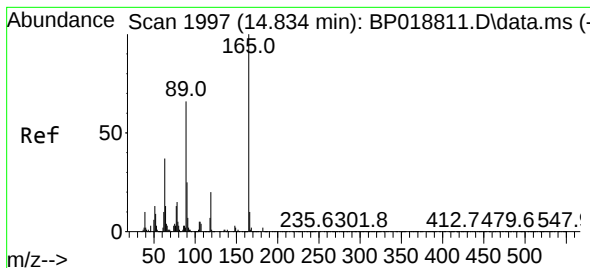
Tgt Ion:109 Resp: 189365
Ion Ratio Lower Upper
109 100
139 142.2 109.0 163.4
65 121.8 106.2 159.4



#56
Dibenzofuran
Concen: 31.303 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:168 Resp: 1647940
Ion Ratio Lower Upper
168 100
139 35.0 29.1 43.7

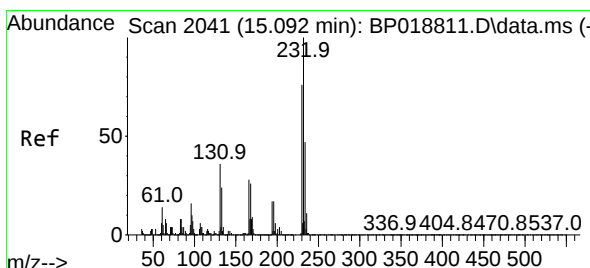
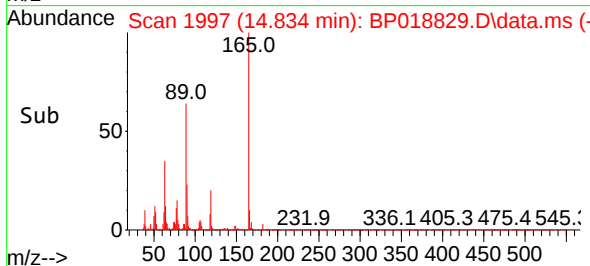
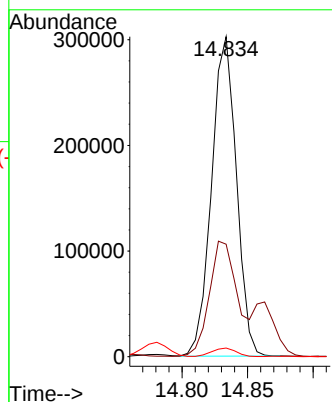
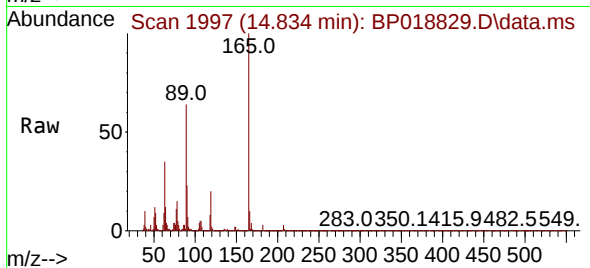




#57
2,4-Dinitrotoluene
Concen: 32.910 ng/ul
RT: 14.834 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

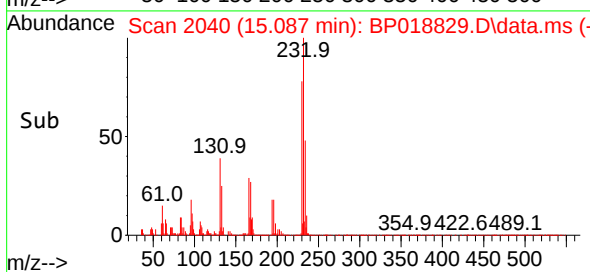
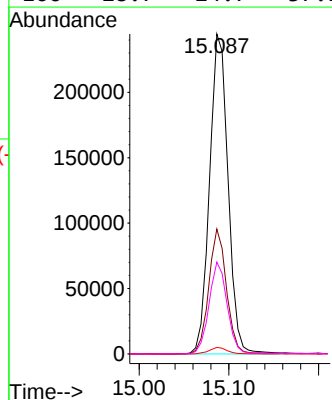
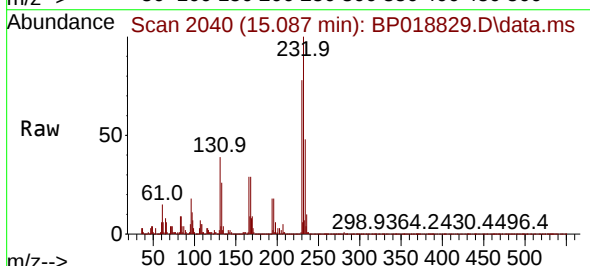
Instrument :
BNA_P
ClientSampleId :
SLCS657

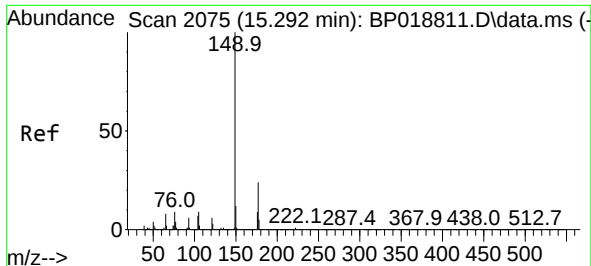
Tgt Ion:165 Resp: 398390
Ion Ratio Lower Upper
165 100
63 35.2 32.7 49.1
182 2.7 2.1 3.1



#58
2,3,4,6-Tetrachlorophenol
Concen: 31.773 ng/ul
RT: 15.087 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:232 Resp: 349642
Ion Ratio Lower Upper
232 100
131 39.0 33.8 50.8
130 2.0 1.8 2.8
166 28.7 24.7 37.1

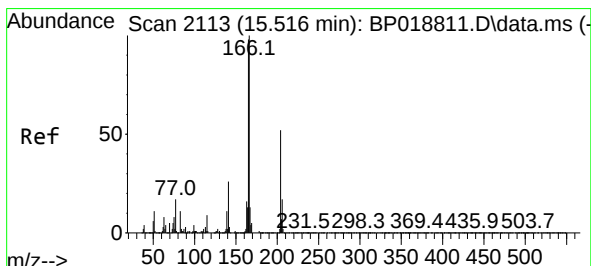
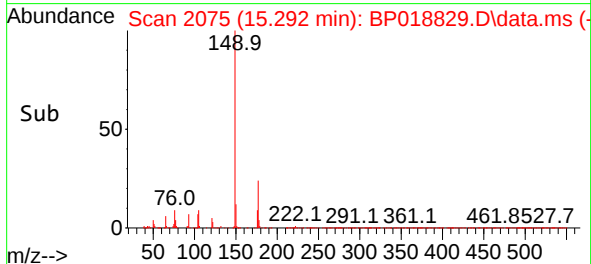
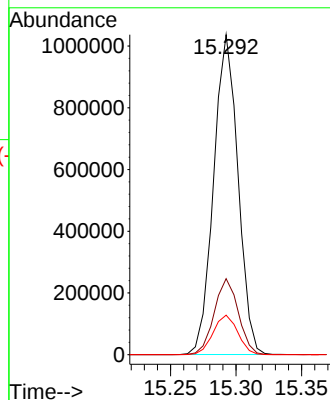
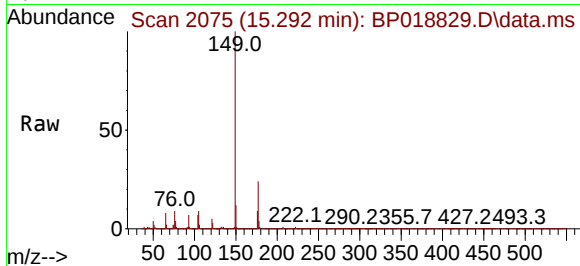




#59
Diethylphthalate
Concen: 29.974 ng/ul
RT: 15.292 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

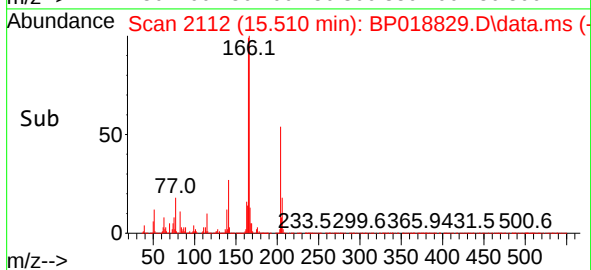
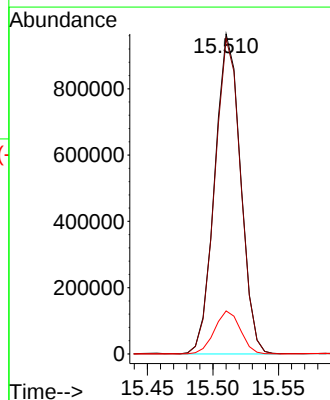
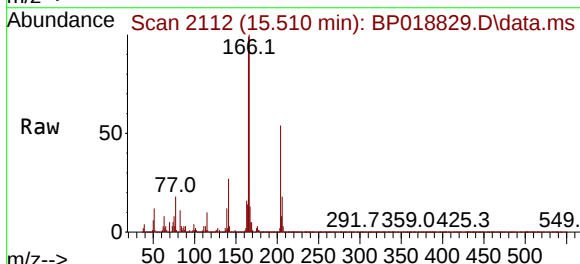
Instrument :
BNA_P
ClientSampleId :
SLCS657

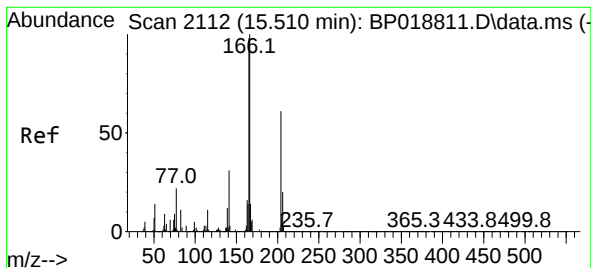
Tgt Ion:149 Resp: 1336020
Ion Ratio Lower Upper
149 100
177 23.7 18.2 27.4
150 12.3 9.9 14.9



#61
Fluorene
Concen: 31.762 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:166 Resp: 1323112
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 13.5 10.8 16.2

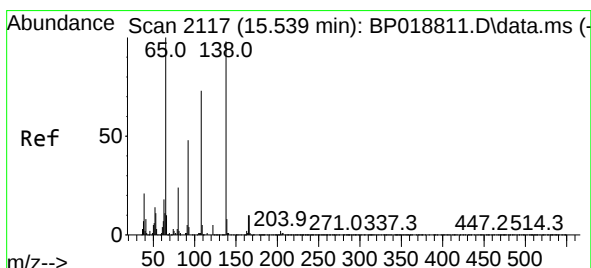
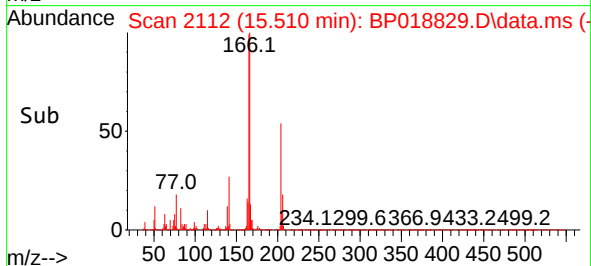
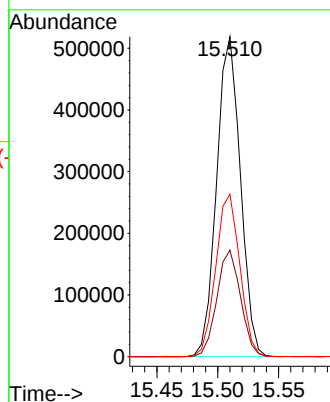
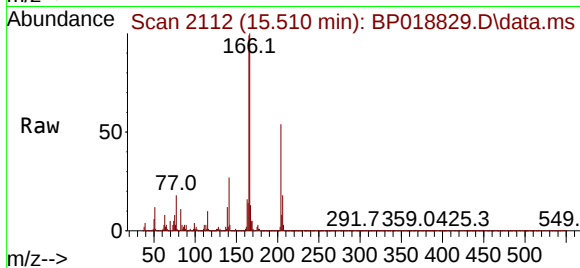




#62
4-Chlorophenyl-phenylether
Concen: 32.324 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

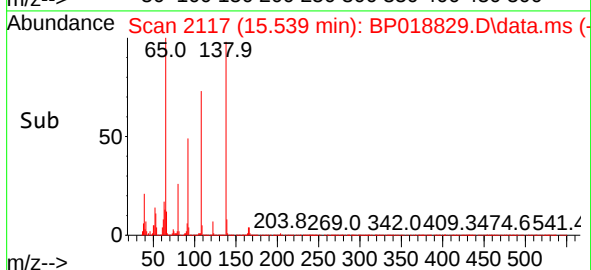
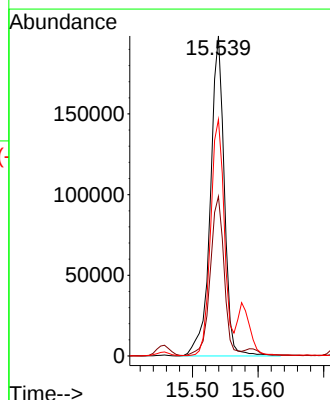
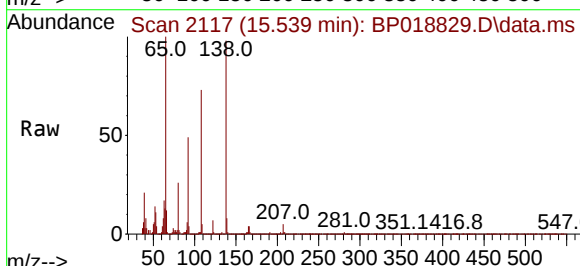
Instrument :
BNA_P
ClientSampleId :
SLCS657

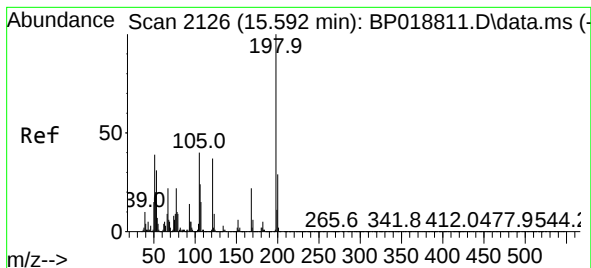
Tgt Ion:204 Resp: 706199
Ion Ratio Lower Upper
204 100
206 33.3 27.1 40.7
141 50.7 45.8 68.8



#63
4-Nitroaniline
Concen: 35.986 ng/ul
RT: 15.539 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:138 Resp: 294508
Ion Ratio Lower Upper
138 100
92 49.8 42.3 63.5
108 73.9 62.0 93.0

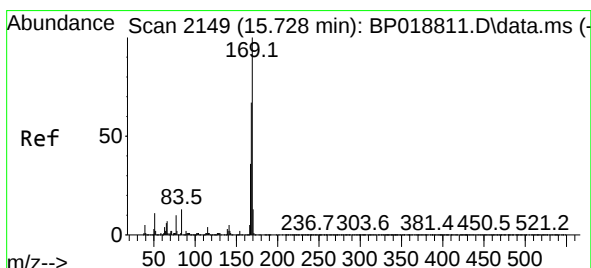
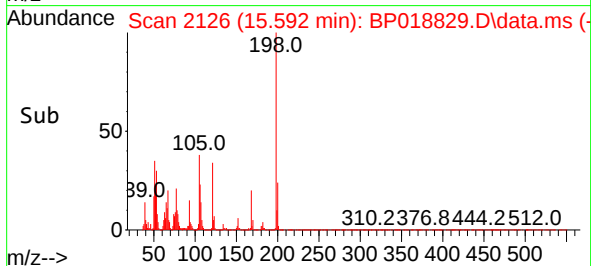
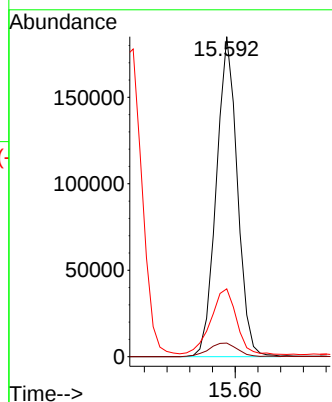
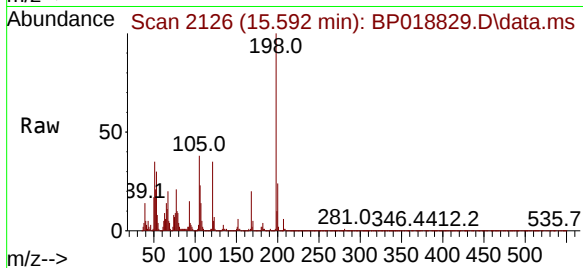




#66
 4,6-Dinitro-2-methylphenol
 Concen: 31.860 ng/ul
 RT: 15.592 min Scan# 2126
 Delta R.T. 0.000 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

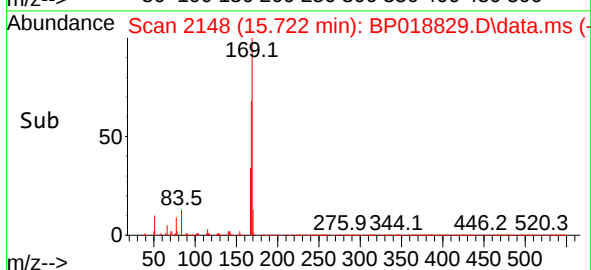
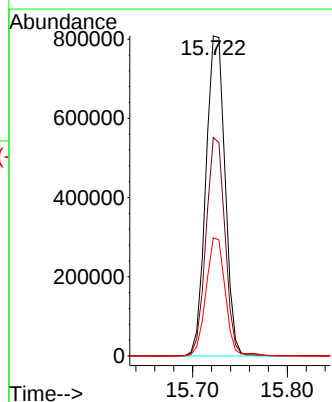
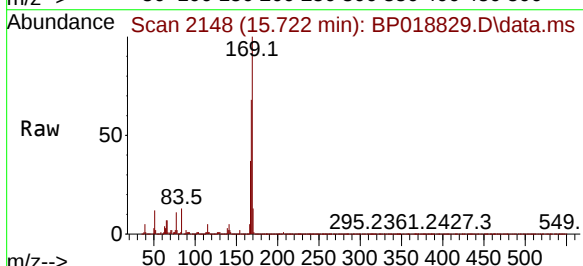
Instrument :
 BNA_P
 ClientSampleId :
 SLCS657

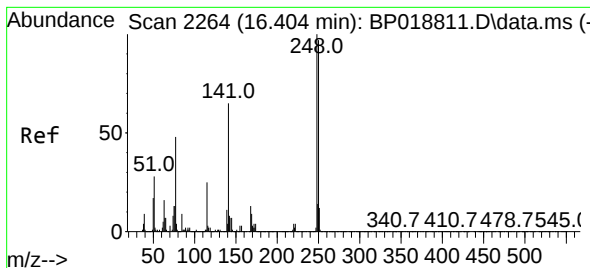
Tgt Ion:198 Resp: 238150
 Ion Ratio Lower Upper
 198 100
 182 4.3 3.4 5.2
 77 21.2 20.6 30.8



#67
 N-Nitrosodiphenylamine
 Concen: 29.352 ng/ul
 RT: 15.722 min Scan# 2148
 Delta R.T. -0.006 min
 Lab File: BP018829.D
 Acq: 14 Dec 2023 04:50

Tgt Ion:169 Resp: 1134115
 Ion Ratio Lower Upper
 169 100
 168 68.2 53.1 79.7
 167 37.0 29.1 43.7

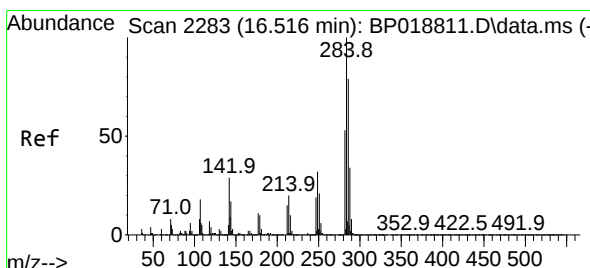
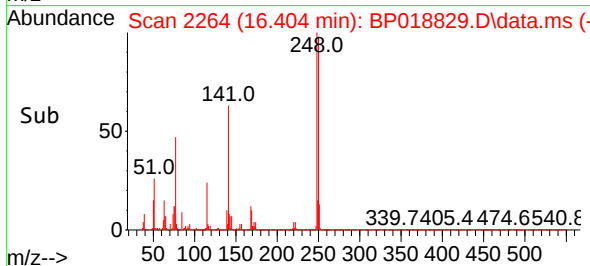
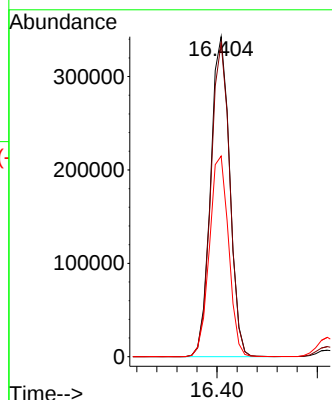
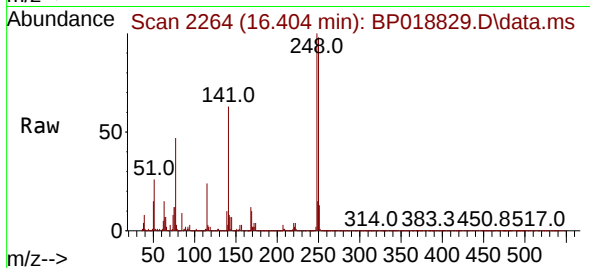




#68
4-Bromophenyl-phenylether
Concen: 30.826 ng/ul
RT: 16.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

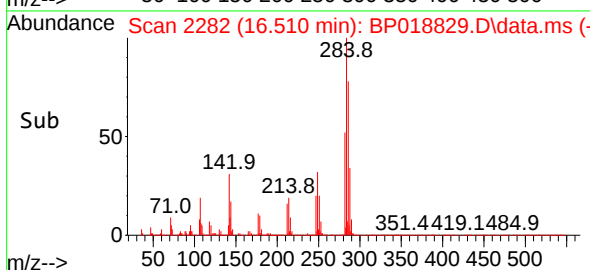
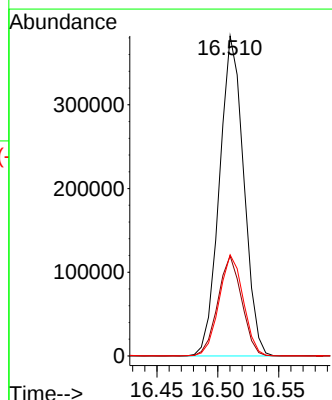
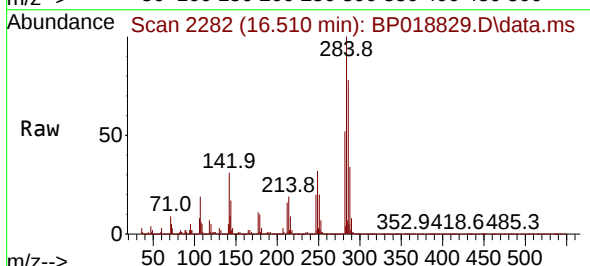
Instrument :
BNA_P
ClientSampleId :
SLCS657

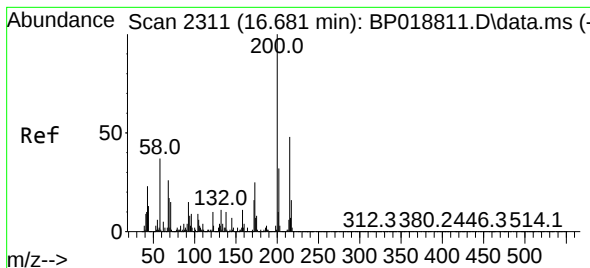
Tgt Ion:248 Resp: 453770
Ion Ratio Lower Upper
248 100
250 98.1 79.3 118.9
141 62.7 57.2 85.8



#69
Hexachlorobenzene
Concen: 32.270 ng/ul
RT: 16.510 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:284 Resp: 530368
Ion Ratio Lower Upper
284 100
142 31.3 25.8 38.6
249 31.6 24.9 37.3





#70

Atrazine

Concen: 24.651 ng/ul

RT: 16.681 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

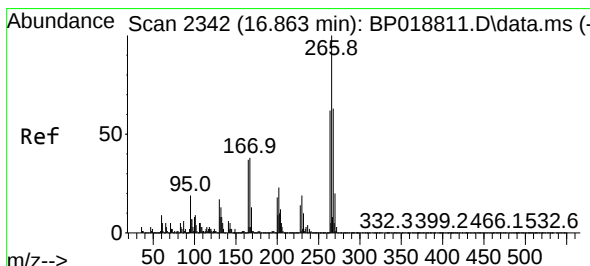
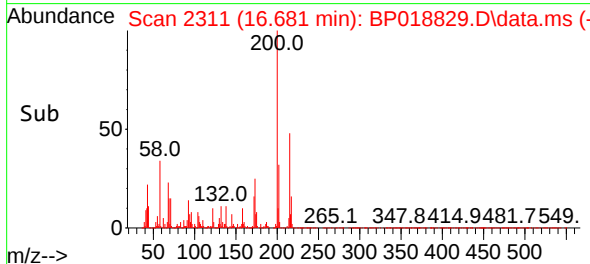
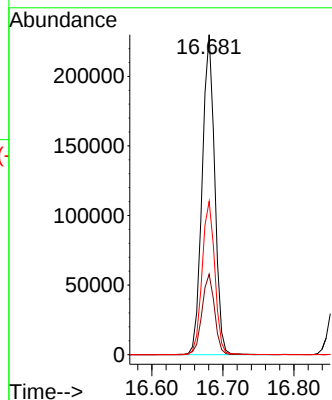
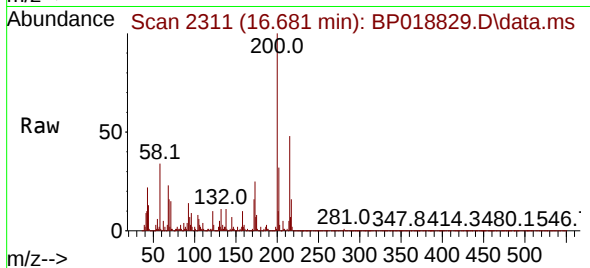
Tgt Ion:200 Resp: 283168

Ion Ratio Lower Upper

200 100

173 25.1 21.0 31.4

215 47.9 38.2 57.2



#71

Pentachlorophenol

Concen: 31.930 ng/ul

RT: 16.857 min Scan# 2341

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

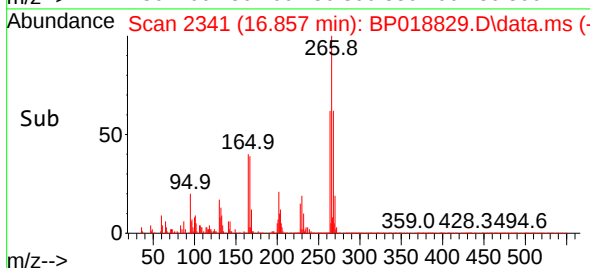
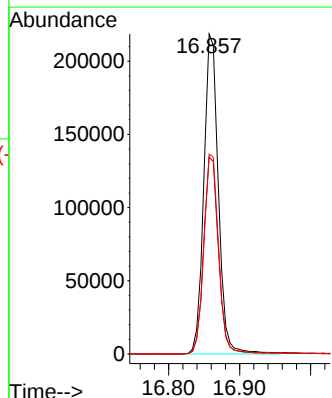
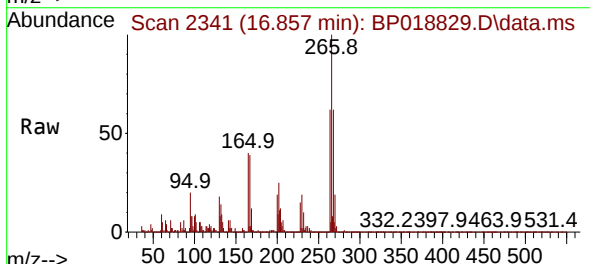
Tgt Ion:266 Resp: 312102

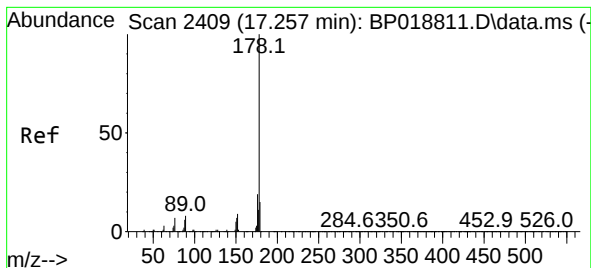
Ion Ratio Lower Upper

266 100

264 61.5 50.2 75.2

268 62.5 50.5 75.7





#72

Phenanthrene

Concen: 31.393 ng/ul

RT: 17.251 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

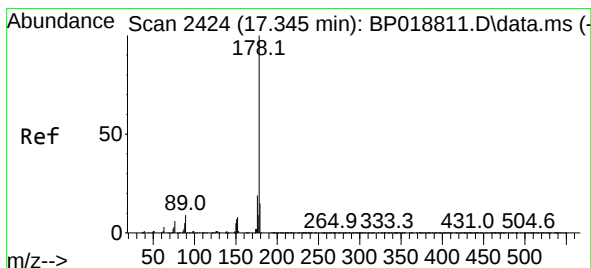
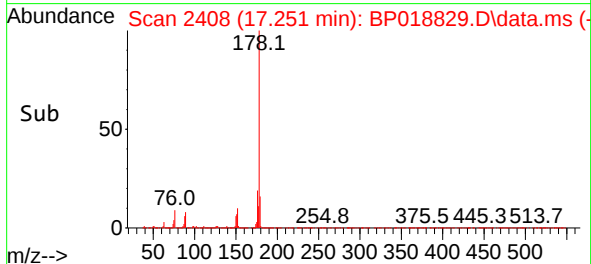
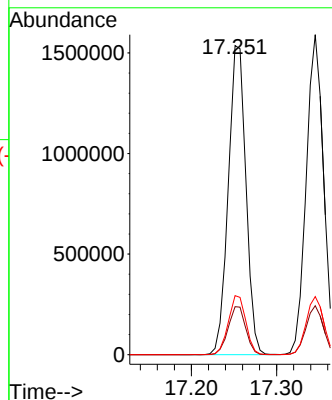
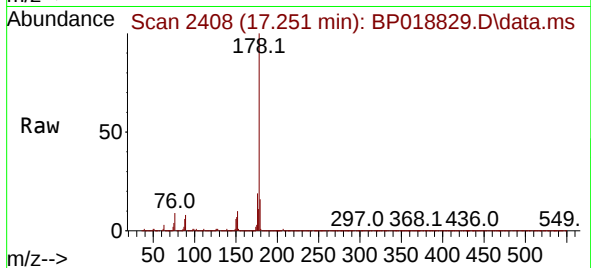
Tgt Ion:178 Resp: 2210763

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 19.1 15.4 23.2



#74

Anthracene

Concen: 31.819 ng/ul

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

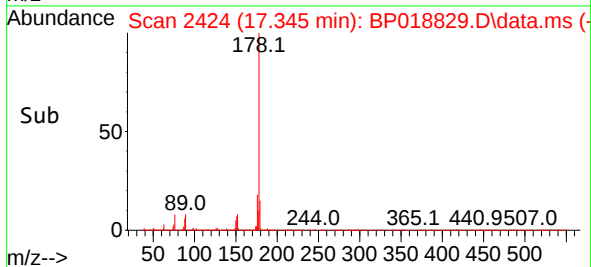
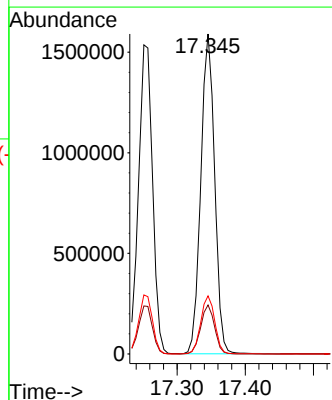
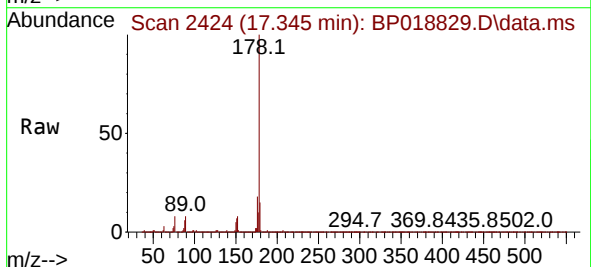
Tgt Ion:178 Resp: 2246044

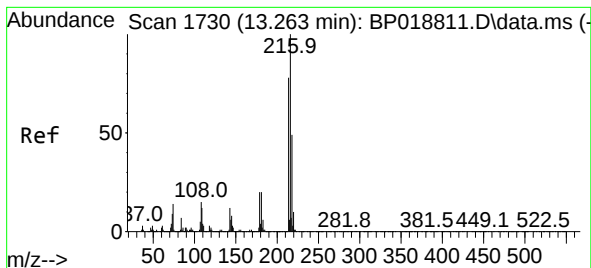
Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 18.1 15.0 22.6





#75

1,2,3,4-Tetrachlorobenzene

Concen: 31.776 ng/uL

RT: 13.263 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

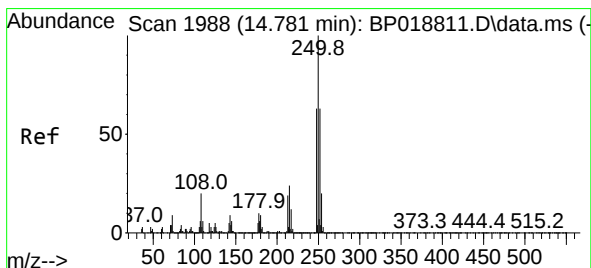
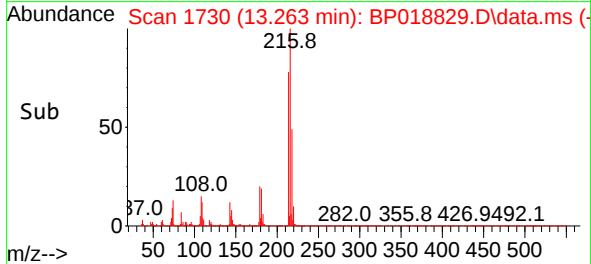
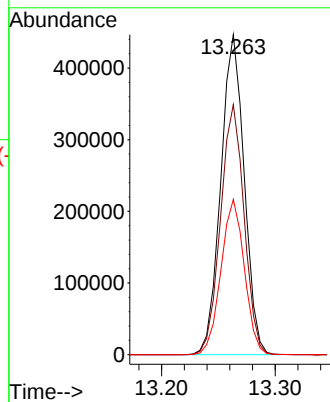
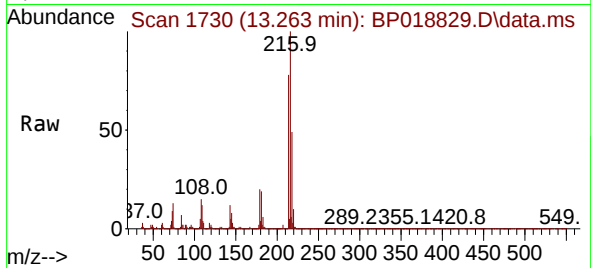
Tgt Ion:216 Resp: 640659

Ion Ratio Lower Upper

216 100

214 78.2 61.4 92.2

218 48.5 39.2 58.8



#76

Pentachlorobenzene

Concen: 31.628 ng/uL

RT: 14.781 min Scan# 1988

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

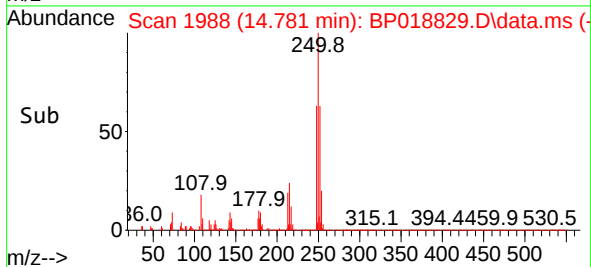
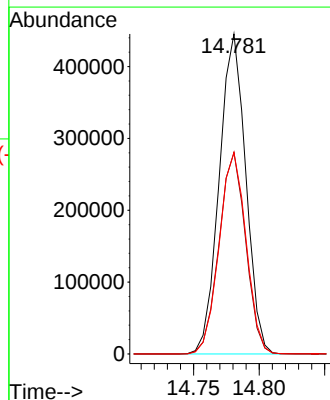
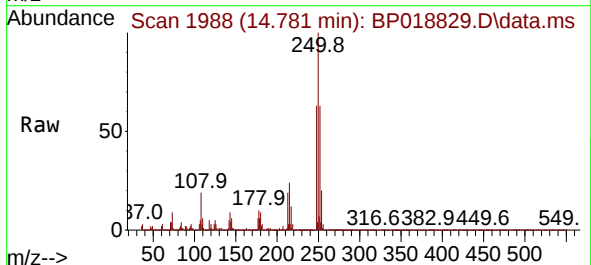
Tgt Ion:250 Resp: 626383

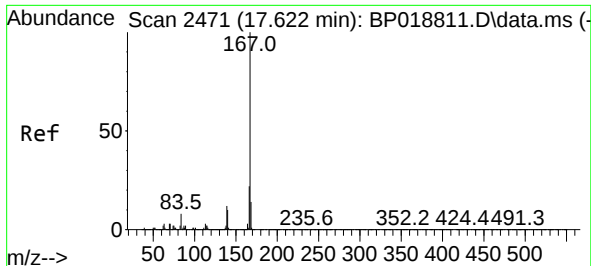
Ion Ratio Lower Upper

250 100

248 63.0 50.6 75.8

252 63.0 51.3 76.9

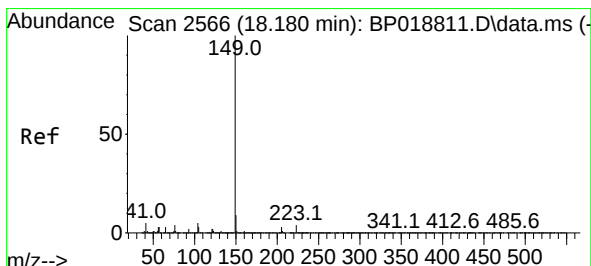
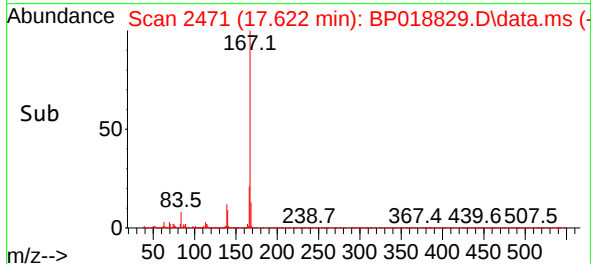
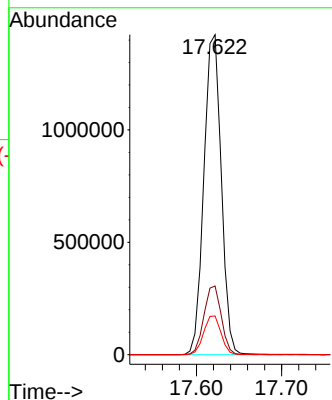
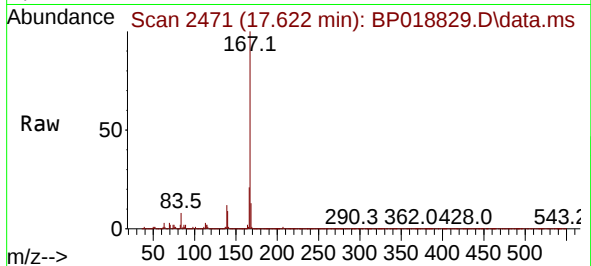




#77
Carbazole
Concen: 35.878 ng/ul
RT: 17.622 min Scan# 2471
Delta R.T. 0.000 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

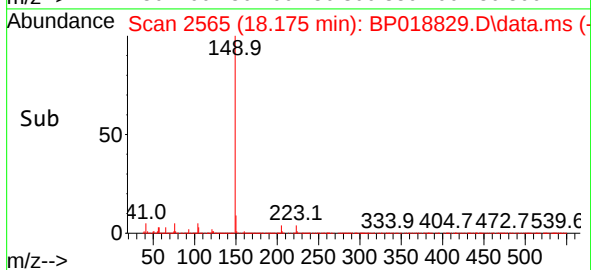
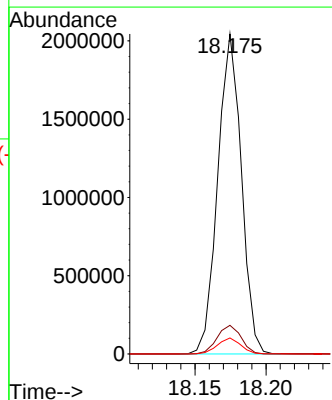
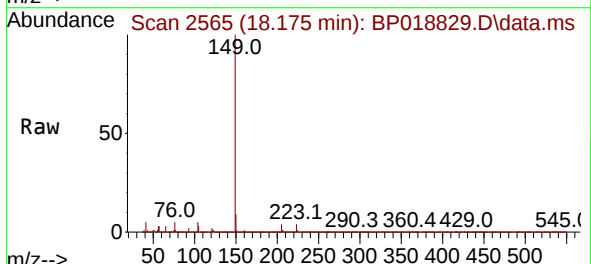
Instrument :
BNA_P
ClientSampleId :
SLCS657

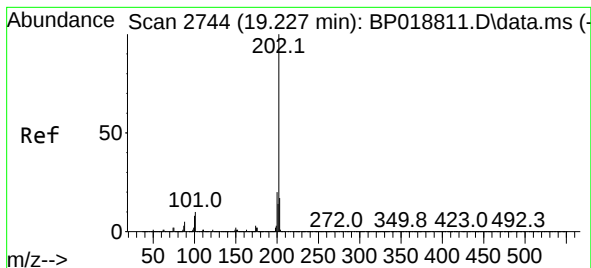
Tgt Ion:167 Resp: 2018440
Ion Ratio Lower Upper
167 100
166 21.5 17.1 25.7
139 12.1 10.2 15.4



#78
Di-n-butylphthalate
Concen: 31.468 ng/ul
RT: 18.175 min Scan# 2565
Delta R.T. -0.006 min
Lab File: BP018829.D
Acq: 14 Dec 2023 04:50

Tgt Ion:149 Resp: 2357311
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 5.0 3.9 5.9





#80

Fluoranthene

Concen: 23.942 ng/ul

RT: 19.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

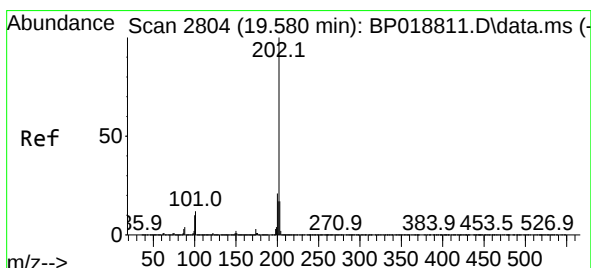
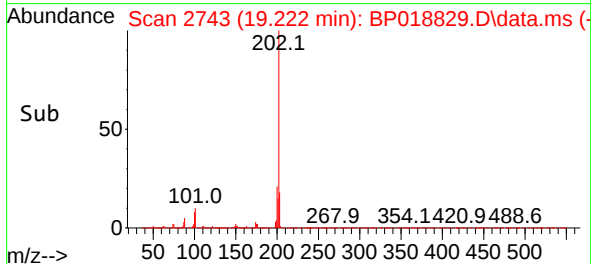
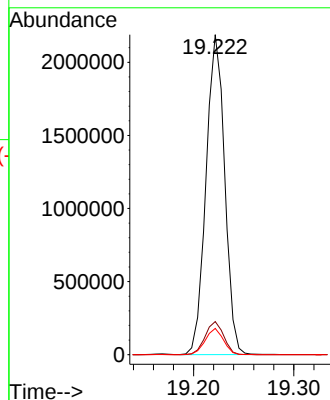
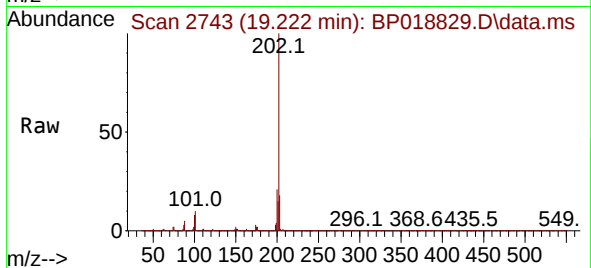
Tgt Ion:202 Resp: 2829355

Ion Ratio Lower Upper

202 100

101 10.4 9.1 13.7

100 8.2 7.1 10.7



#82

Pyrene

Concen: 24.912 ng/ul

RT: 19.575 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

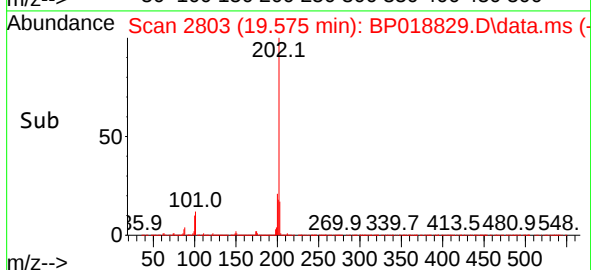
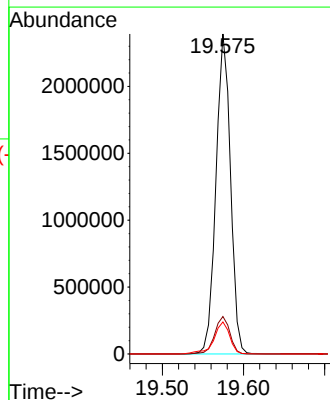
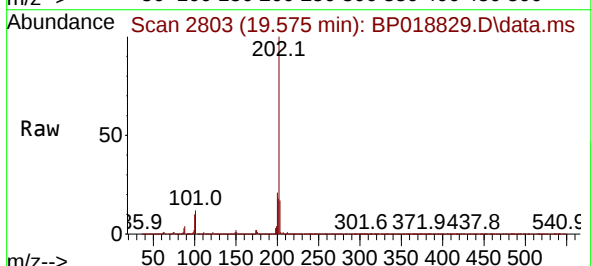
Tgt Ion:202 Resp: 2970007

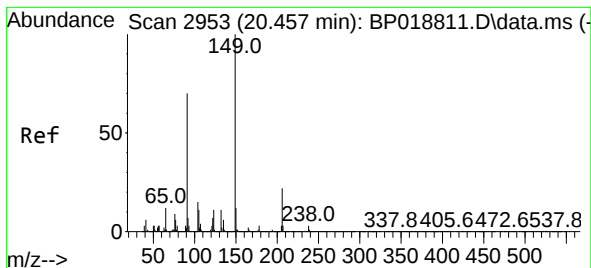
Ion Ratio Lower Upper

202 100

101 11.7 11.0 16.4

100 10.0 9.1 13.7





#83

Butylbenzylphthalate

Concen: 25.925 ng/ul

RT: 20.451 min Scan# 2953

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

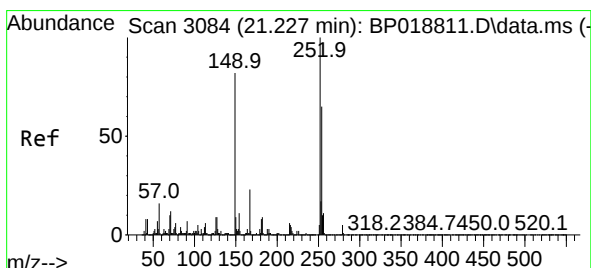
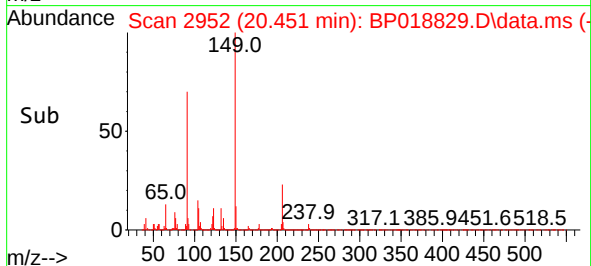
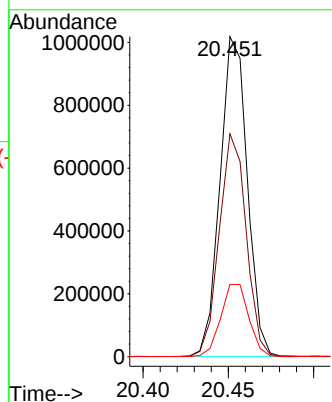
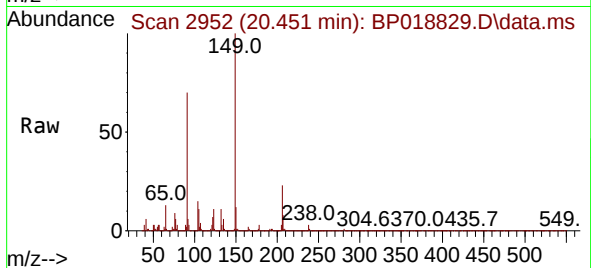
Tgt Ion:149 Resp: 1131502

Ion Ratio Lower Upper

149 100

91 69.7 56.6 85.0

206 22.6 17.4 26.0



#84

3,3'-Dichlorobenzidine

Concen: 33.147 ng/ul

RT: 21.222 min Scan# 3083

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

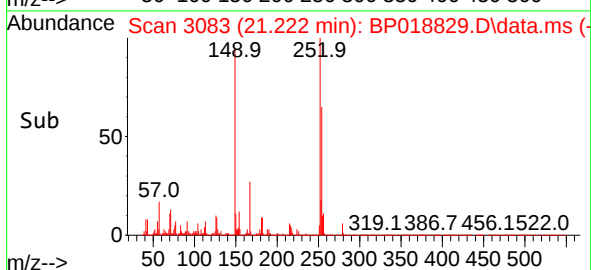
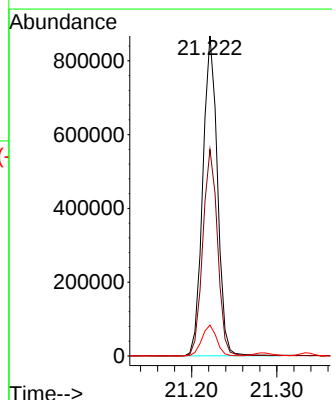
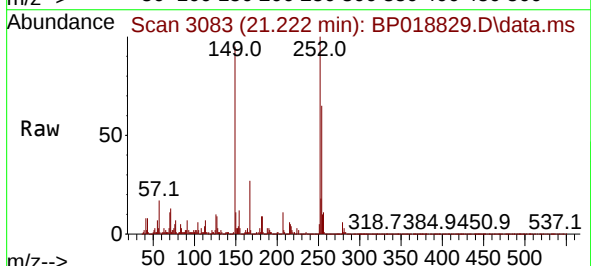
Tgt Ion:252 Resp: 1034534

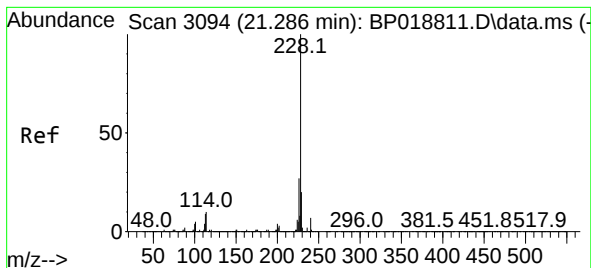
Ion Ratio Lower Upper

252 100

254 64.6 51.0 76.4

126 9.7 7.8 11.6





#85

Benzo(a)anthracene

Concen: 30.968 ng/ul

RT: 21.286 min Scan# 3094

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

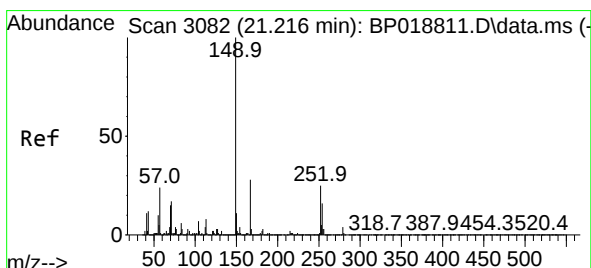
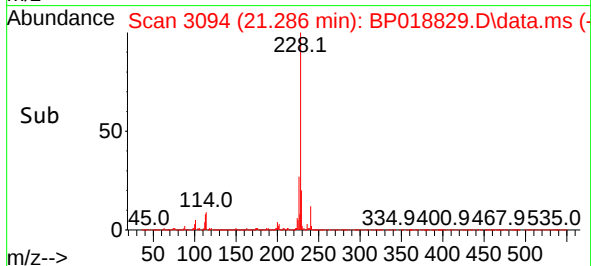
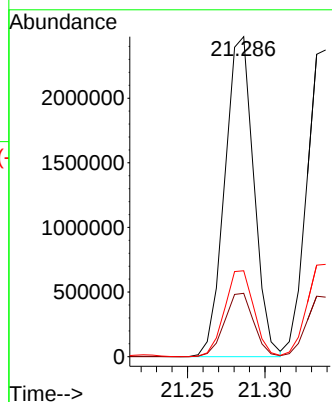
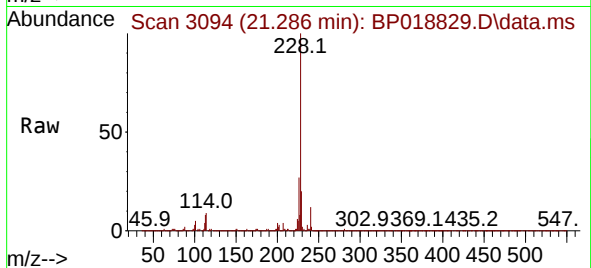
Tgt Ion:228 Resp: 3228329

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

226 26.9 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 28.016 ng/ul

RT: 21.216 min Scan# 3082

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

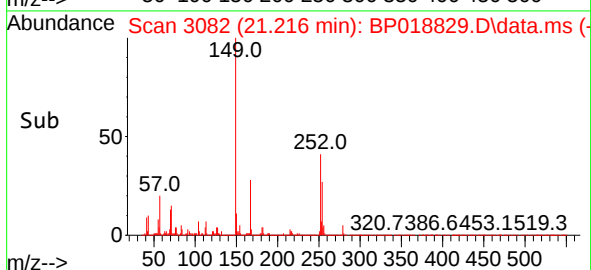
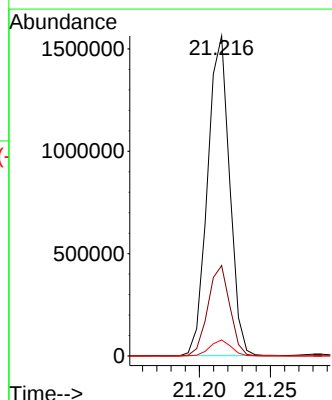
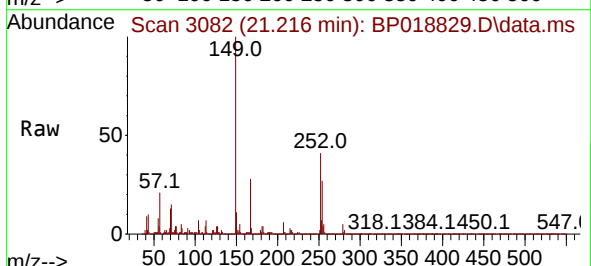
Tgt Ion:149 Resp: 1680609

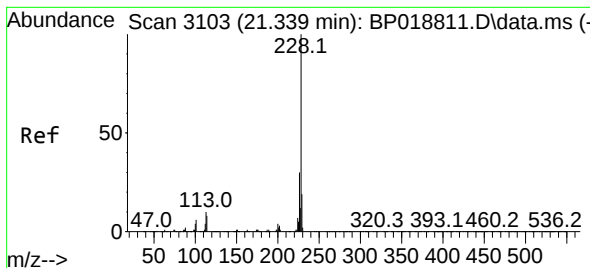
Ion Ratio Lower Upper

149 100

167 28.3 22.2 33.2

279 5.0 3.3 4.9#





#87

Chrysene

Concen: 31.370 ng/ul

RT: 21.339 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

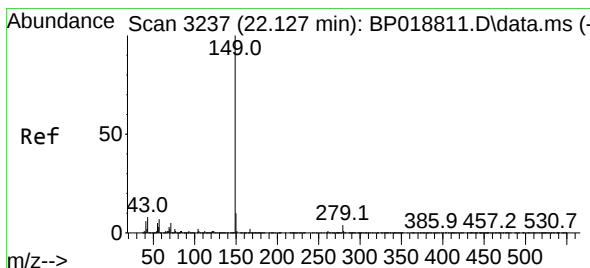
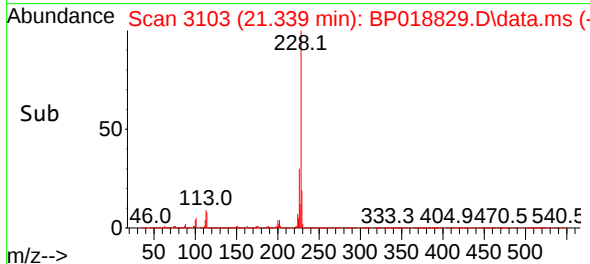
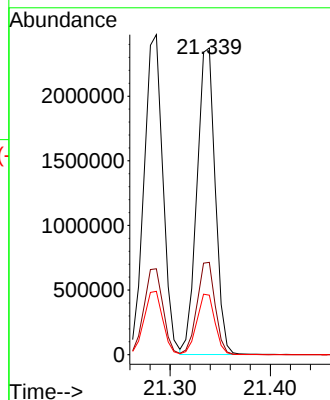
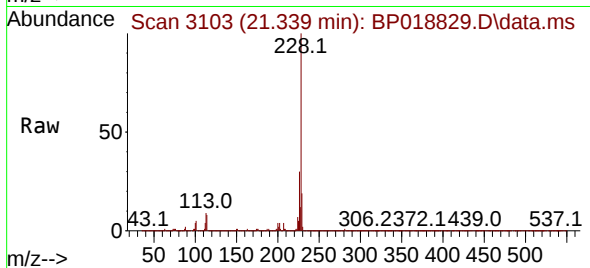
Tgt Ion:228 Resp: 3011534

Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

229 19.4 15.6 23.4



#89

Di-n-octyl phthalate

Concen: 27.496 ng/ul

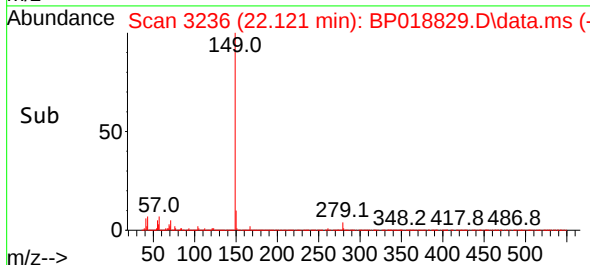
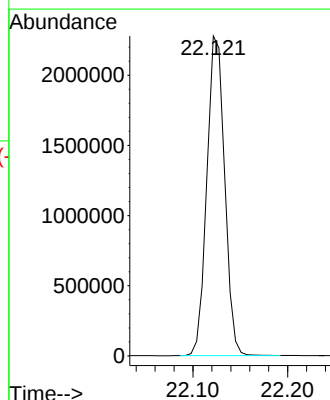
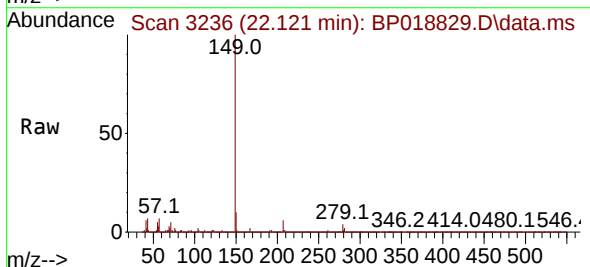
RT: 22.121 min Scan# 3236

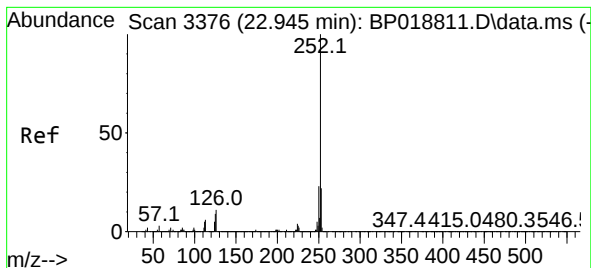
Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Tgt Ion:149 Resp: 2966085





#90

Benzo(b)fluoranthene

Concen: 30.633 ng/ul

RT: 22.939 min Scan# 3375

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

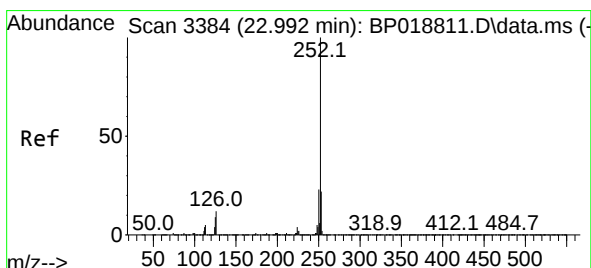
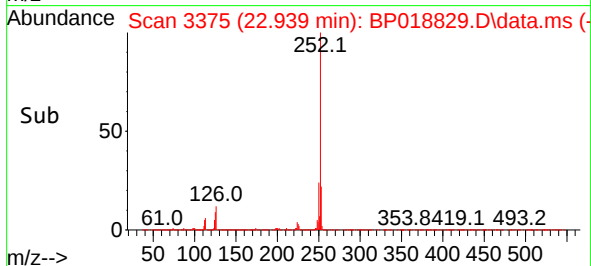
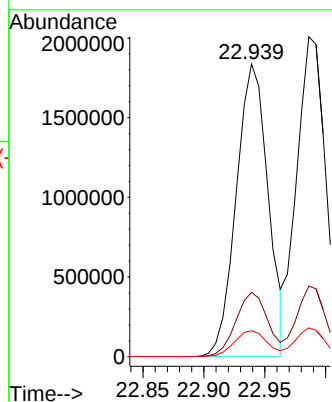
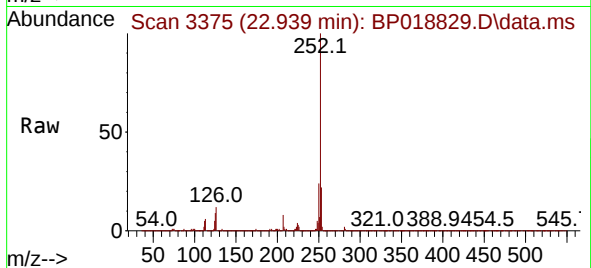
Tgt Ion:252 Resp: 3337026

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 8.9 7.8 11.6



#91

Benzo(k)fluoranthene

Concen: 31.842 ng/ul

RT: 22.986 min Scan# 3383

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

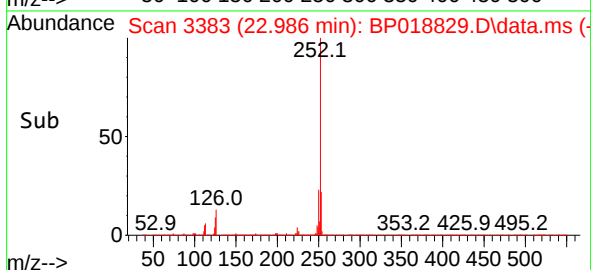
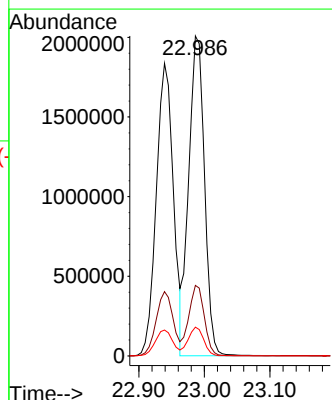
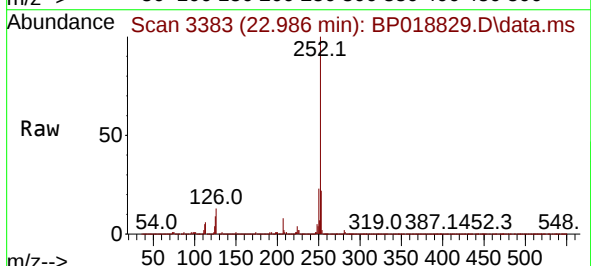
Tgt Ion:252 Resp: 3356217

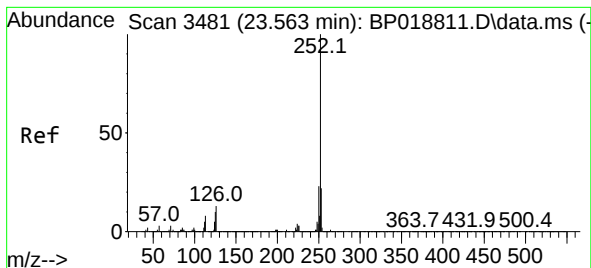
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.0 8.0 12.0





#93

Benzo(a)pyrene

Concen: 31.847 ng/ul

RT: 23.557 min Scan# 34

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

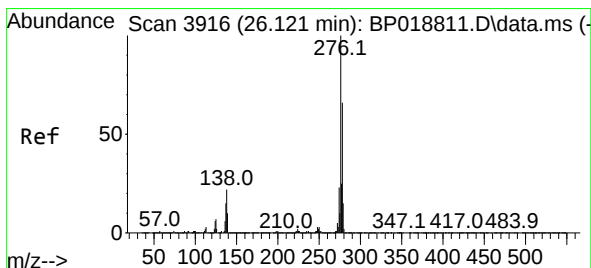
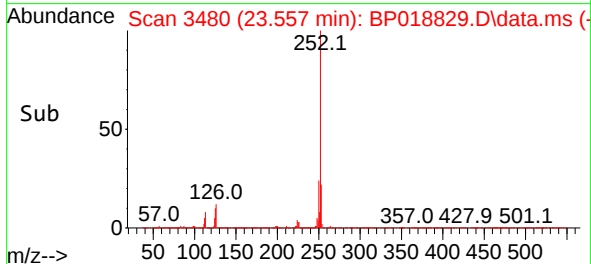
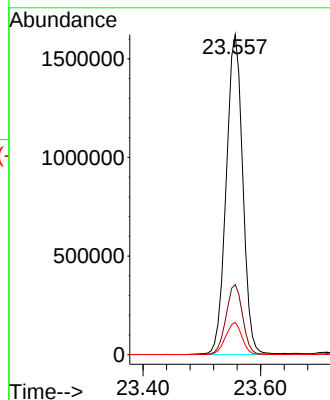
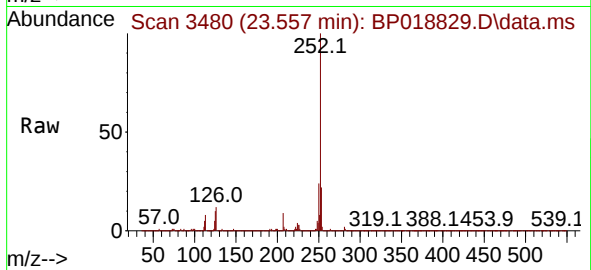
Tgt Ion:252 Resp: 3169936

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 10.1 9.2 13.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 33.493 ng/ul

RT: 26.110 min Scan# 3914

Delta R.T. -0.012 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

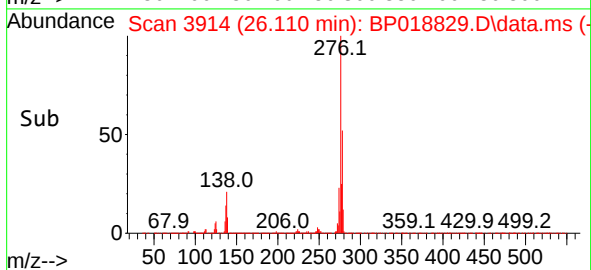
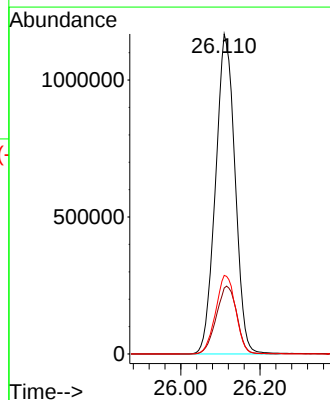
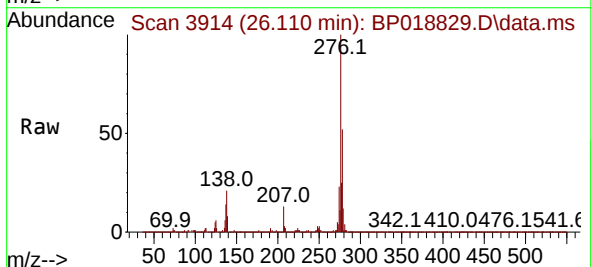
Tgt Ion:276 Resp: 3983166

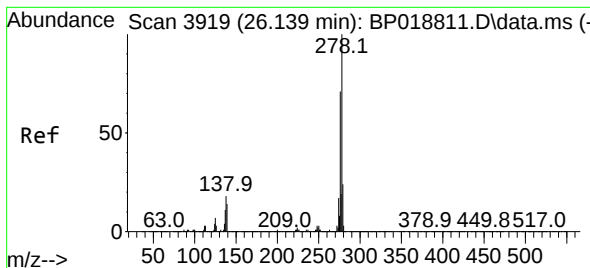
Ion Ratio Lower Upper

276 100

138 20.6 19.4 29.2

277 24.6 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 33.595 ng/ul

RT: 26.133 min Scan# 3919

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Instrument :

BNA_P

ClientSampleId :

SLCS657

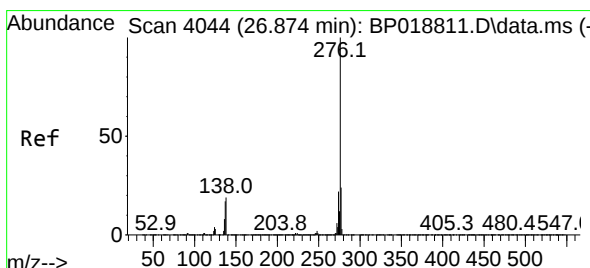
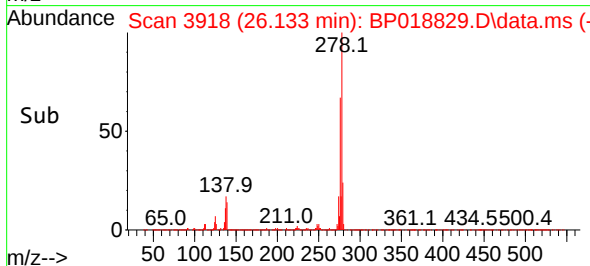
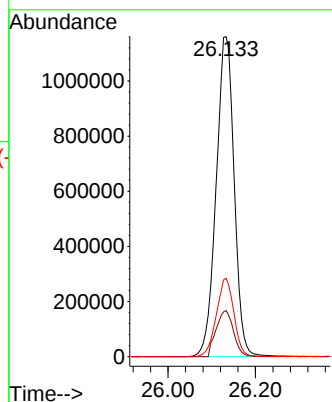
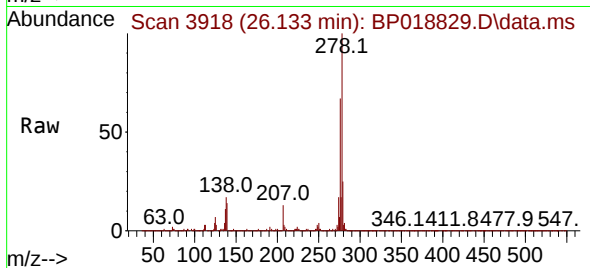
Tgt Ion:278 Resp: 3323618

Ion Ratio Lower Upper

278 100

139 14.4 13.0 19.6

279 24.5 18.7 28.1



#96

Benzo(g,h,i)perylene

Concen: 33.470 ng/ul

RT: 26.868 min Scan# 4043

Delta R.T. -0.006 min

Lab File: BP018829.D

Acq: 14 Dec 2023 04:50

Tgt Ion:276 Resp: 3203342

Ion Ratio Lower Upper

276 100

138 19.1 18.1 27.1

277 23.3 19.4 29.0

