

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091024\
 Data File : BP021870.D
 Acq On : 10 Sep 2024 10:08
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC2.5

Quant Time: Sep 10 16:38:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 16:24:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	89085	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	502534	20.000	ng	0.00
39) Acenaphthene-d10	14.381	164	339823	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	789677	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	865050	20.000	ng	-0.01
86) Perylene-d12	24.945	264	1069927	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	30169	4.890	ng	0.00
7) Phenol-d6	6.928	99	36986	4.430	ng	-0.01
23) Nitrobenzene-d5	8.899	82	52016	4.689	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	16690	4.420	ng	0.00
45) 2-Fluorobiphenyl	12.993	172	109619	5.306	ng	0.00
79) Terphenyl-d14	19.898	244	195083	4.816	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	10664	3.403	ng	98
3) Pyridine	3.705	79	25905	3.193	ng	# 95
4) n-Nitrosodimethylamine	3.605	42	11423	3.732	ng	# 73
6) Aniline	7.087	93	16923	2.315	ng	98
8) 2-Chlorophenol	7.328	128	13948	2.457	ng	94
9) Benzaldehyde	6.905	77	12691	2.875	ng	95
10) Phenol	6.958	94	20049	2.364	ng	99
11) bis(2-Chloroethyl)ether	7.181	93	15182	2.327	ng	99
12) 1,3-Dichlorobenzene	7.646	146	17145	2.607	ng	96
13) 1,4-Dichlorobenzene	7.793	146	16375	2.456	ng	91
14) 1,2-Dichlorobenzene	8.105	146	17217	2.586	ng	92
15) Benzyl Alcohol	7.993	79	13050	2.104	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.281	45	14975	2.230	ng	91
17) 2-Methylphenol	8.199	107	12575	2.098	ng	89
18) Hexachloroethane	8.828	117	10869	3.911	ng	96
19) n-Nitroso-di-n-propyla...	8.546	70	11606	2.221	ng	# 88
24) Nitrobenzene	8.940	77	26526	2.412	ng	97
25) Isophorone	9.469	82	41893	2.176	ng	98
27) 2,4-Dimethylphenol	9.716	122	11350	2.068	ng	94
28) bis(2-Chloroethoxy)met...	9.940	93	29413	2.351	ng	95
29) 2,4-Dichlorophenol	10.181	162	14945	2.093	ng	96
30) 1,2,4-Trichlorobenzene	10.399	180	20934	2.549	ng	93
31) Naphthalene	10.575	128	68337	2.596	ng	98
33) 4-Chloroaniline	10.693	127	21810	2.259	ng	99
34) Hexachlorobutadiene	10.863	225	13656	2.679	ng	93
37) 2-Methylnaphthalene	12.187	142	43222	2.454	ng	# 93
38) 1-Methylnaphthalene	12.404	142	41899	2.383	ng	# 98
40) 1,2,4,5-Tetrachloroben...	12.563	216	22648	2.581	ng	97
41) Hexachlorocyclopentadiene	12.540	237	5978	2.112	ng	83
43) 2,4,6-Trichlorophenol	12.804	196	11698	2.074	ng	96
46) 1,1'-Biphenyl	13.204	154	60186	2.539	ng	97
47) 2-Chloronaphthalene	13.245	162	45559	2.473	ng	98
49) Acenaphthylene	14.098	152	61277	2.247	ng	99
50) Dimethylphthalate	13.834	163	58123	2.484	ng	99
51) 2,6-Dinitrotoluene	13.945	165	10434	2.017	ng	# 82
52) Acenaphthene	14.440	154	44346	2.516	ng	97

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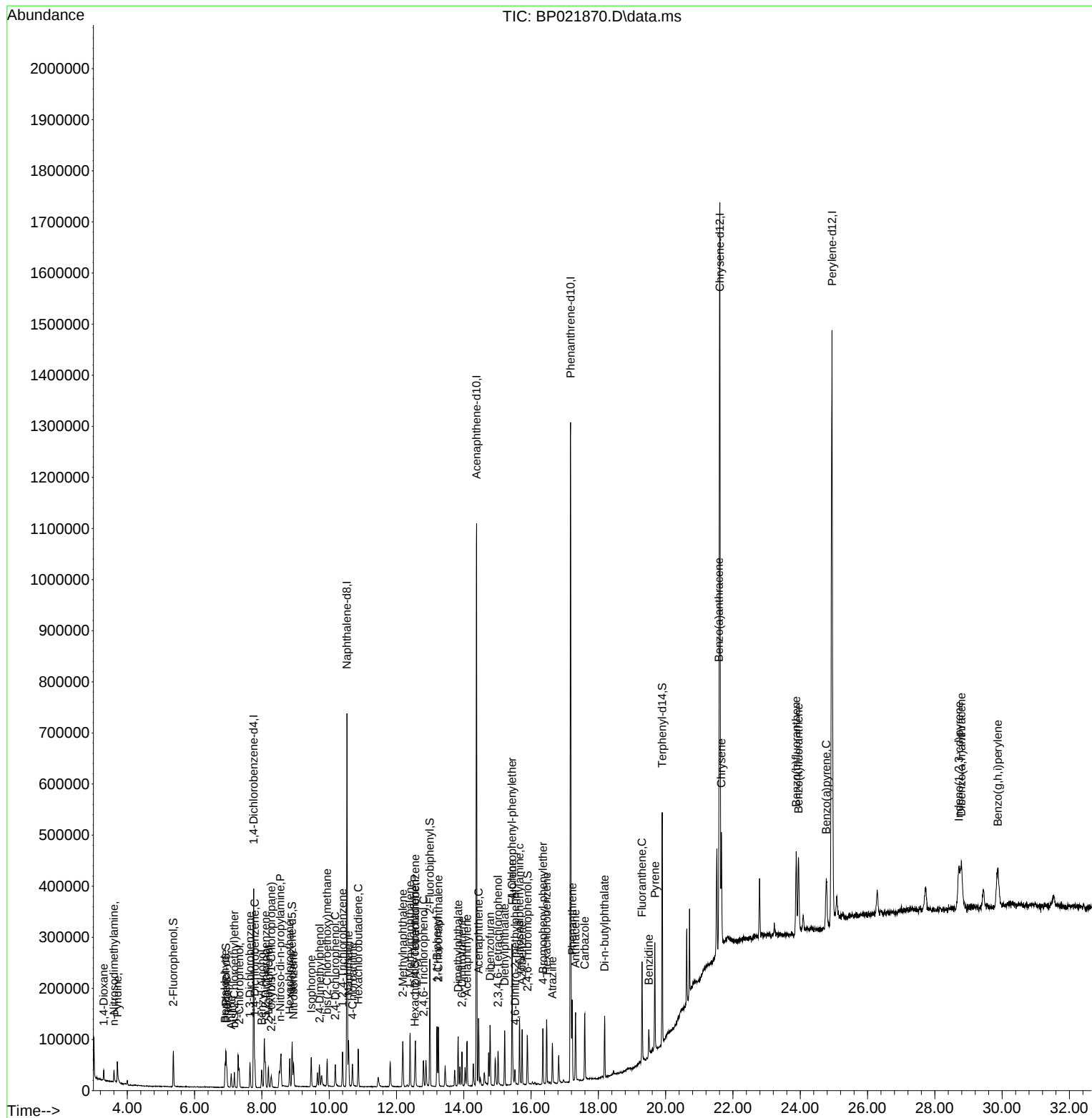
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Dibenzofuran	14.781	168	73213	2.640	ng	99
58) Fluorene	15.439	166	58519	2.561	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.016	232	12061	2.092	ng #	90
60) Diethylphthalate	15.216	149	59985	2.470	ng	99
61) 4-Chlorophenyl-phenyle...	15.434	204	29248	2.639	ng	96
63) Azobenzene	15.734	77	57822	2.116	ng	96
65) 4,6-Dinitro-2-methylph...	15.522	198	5620	5.875	ng	90
66) n-Nitrosodiphenylamine	15.657	169	47815	2.365	ng	98
67) 4-Bromophenyl-phenylether	16.351	248	16980	2.281	ng	90
68) Hexachlorobenzene	16.463	284	21692	2.440	ng #	92
69) Atrazine	16.634	200	14786	2.494	ng	91
71) Phenanthrene	17.222	178	98281	2.517	ng	98
72) Anthracene	17.322	178	86279	2.270	ng	99
73) Carbazole	17.598	167	87391	2.239	ng	97
74) Di-n-butylphthalate	18.186	149	87689	2.032	ng	98
75) Fluoranthene	19.298	202	111803	2.365	ng	98
77) Benzidine	19.498	184	38153	3.200	ng	98
78) Pyrene	19.680	202	119108	2.182	ng	100
81) Benzo(a)anthracene	21.586	228	131924	2.404	ng	97
83) Chrysene	21.657	228	131970	2.498	ng	99
87) Indeno(1,2,3-cd)pyrene	28.721	276	139114	2.068	ng #	84
88) Benzo(b)fluoranthene	23.880	252	136164	2.210	ng	98
89) Benzo(k)fluoranthene	23.945	252	131785	2.206	ng	99
90) Benzo(a)pyrene	24.774	252	112508	2.107	ng	97
91) Dibenzo(a,h)anthracene	28.786	278	137673	2.476	ng	99
92) Benzo(g,h,i)perylene	29.868	276	140497	2.408	ng	98

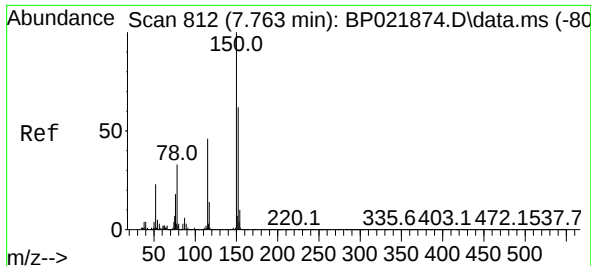
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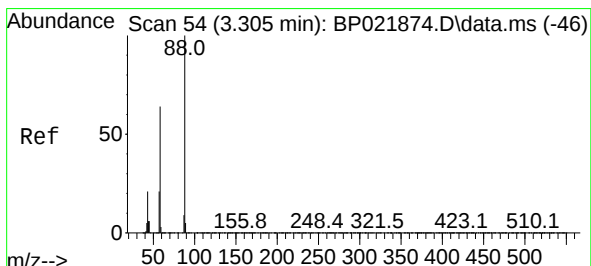
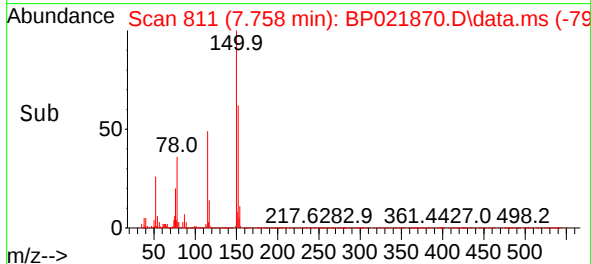
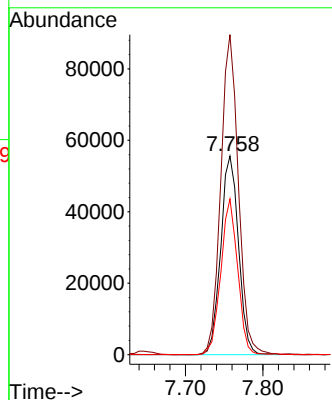
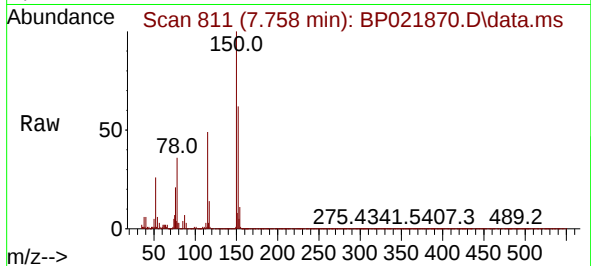




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

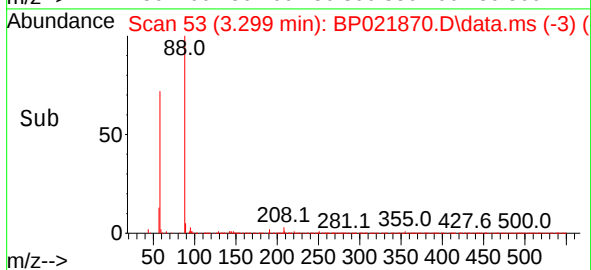
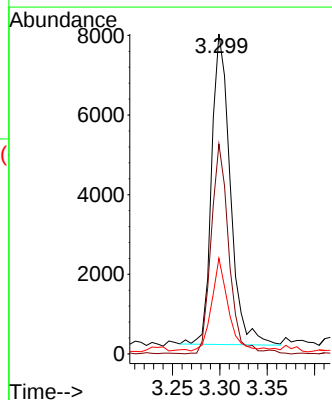
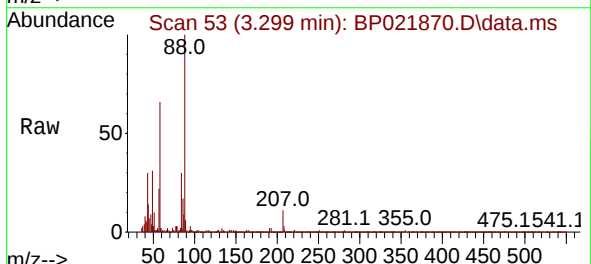
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BNA_P
ClientSampleId :
SSTDICC2.5

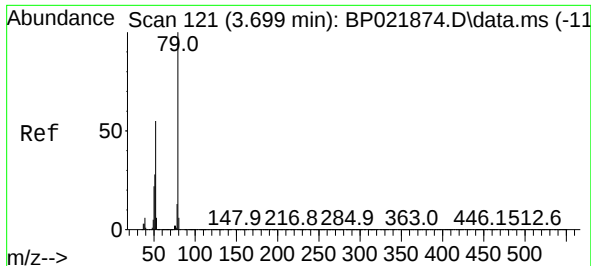
Tgt Ion:152 Resp: 89085
Ion Ratio Lower Upper
152 100
150 161.2 128.6 192.8
115 78.5 58.9 88.3



#2
1,4-Dioxane
Concen: 3.403 ng
RT: 3.299 min Scan# 53
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 88 Resp: 10664
Ion Ratio Lower Upper
88 100
58 64.6 51.4 77.2
43 25.6 17.1 25.7

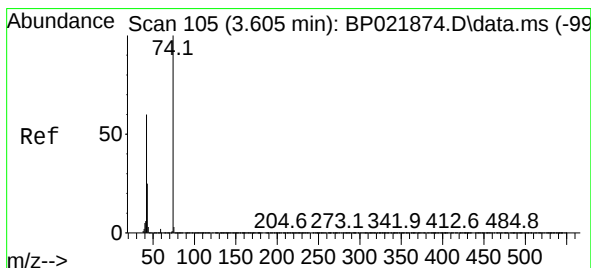
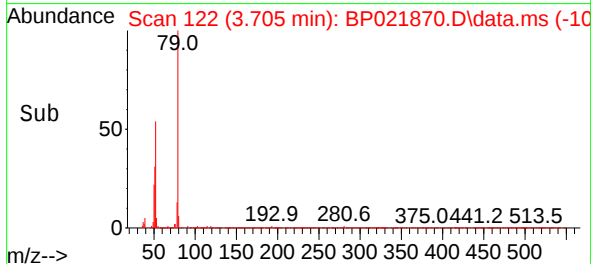
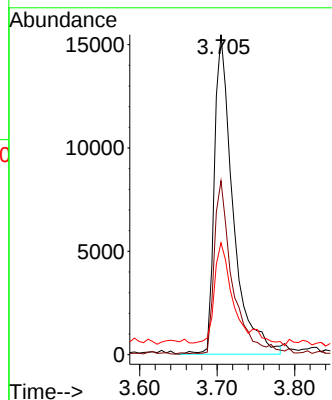
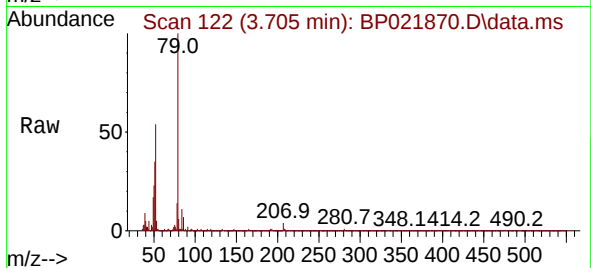




#3
Pyridine
Concen: 3.193 ng
RT: 3.705 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

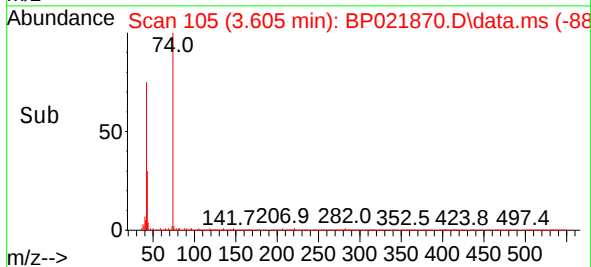
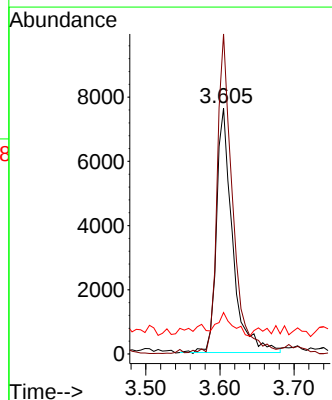
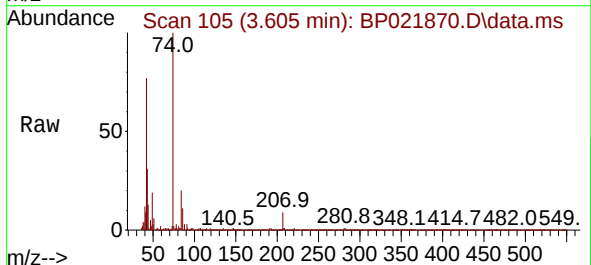
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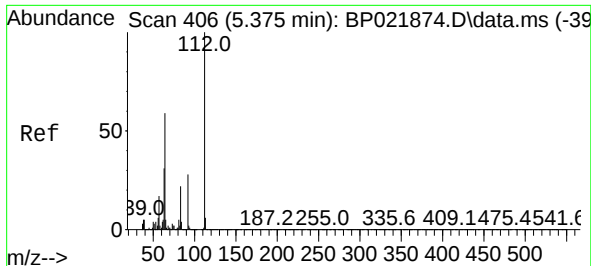
Tgt Ion: 79 Resp: 25905
Ion Ratio Lower Upper
79 100
52 54.4 44.4 66.6
51 34.9 22.6 34.0#



#4
n-Nitrosodimethylamine
Concen: 3.732 ng
RT: 3.605 min Scan# 105
Delta R.T. -0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 42 Resp: 11423
Ion Ratio Lower Upper
42 100
74 130.2 133.2 199.8#
44 16.9 5.1 7.7#

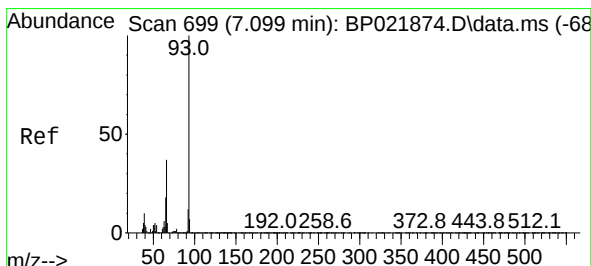
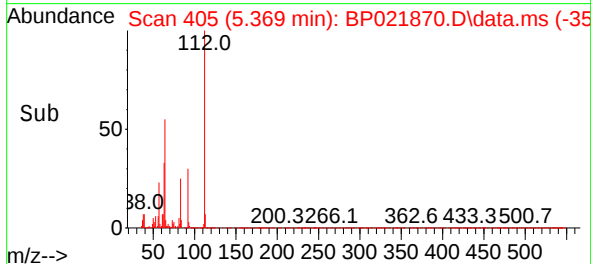
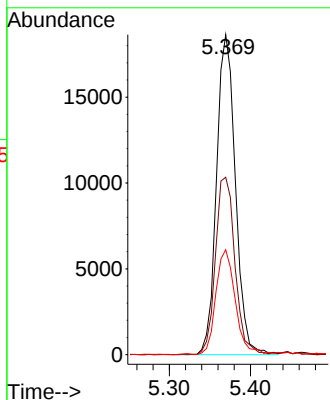
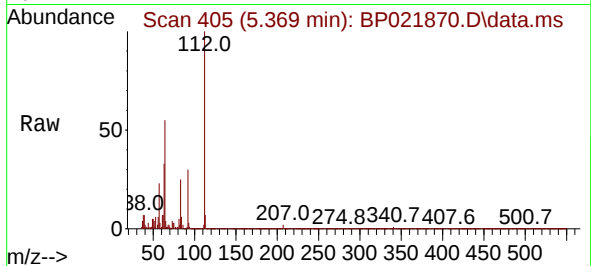




#5
2-Fluorophenol
Concen: 4.890 ng
RT: 5.369 min Scan# 406
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

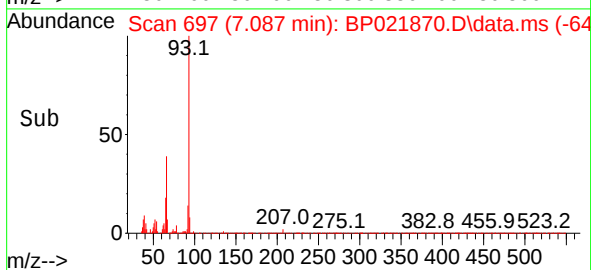
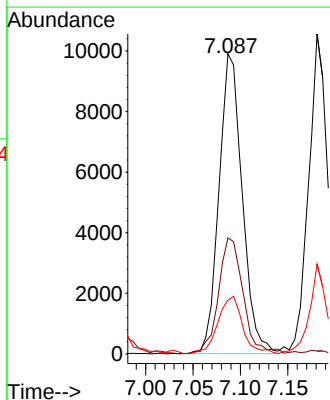
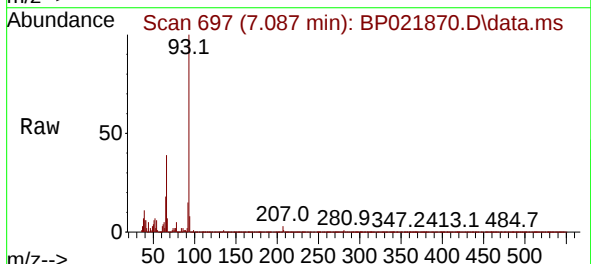
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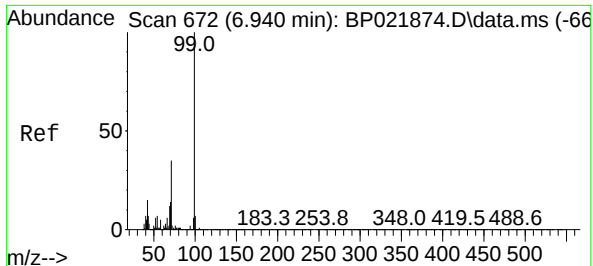
Tgt Ion:112 Resp: 30169
Ion Ratio Lower Upper
112 100
64 55.5 46.8 70.2
63 32.8 24.6 36.8



#6
Aniline
Concen: 2.315 ng
RT: 7.087 min Scan# 697
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 93 Resp: 16923
Ion Ratio Lower Upper
93 100
66 38.7 30.1 45.1
65 17.9 14.8 22.2

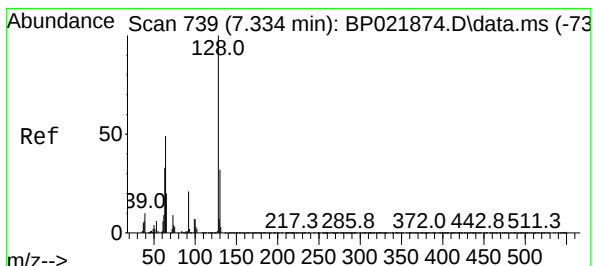
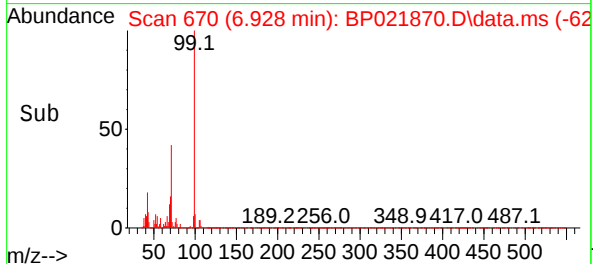
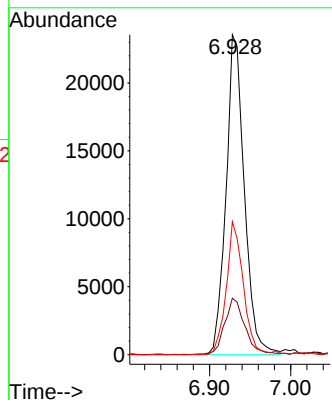
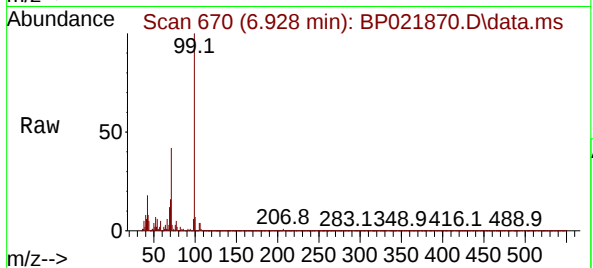




#7
Phenol-d6
Concen: 4.430 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

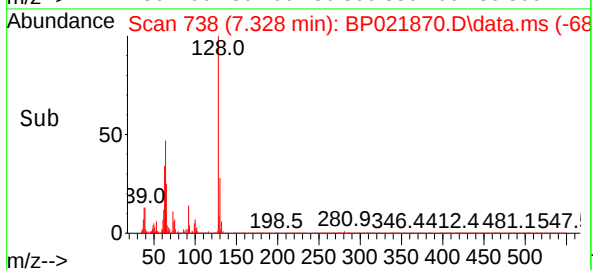
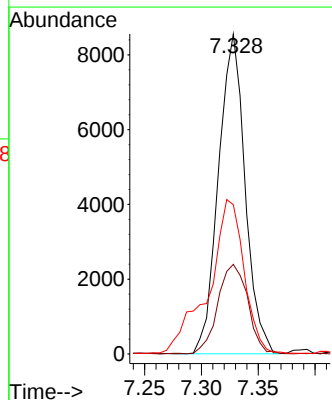
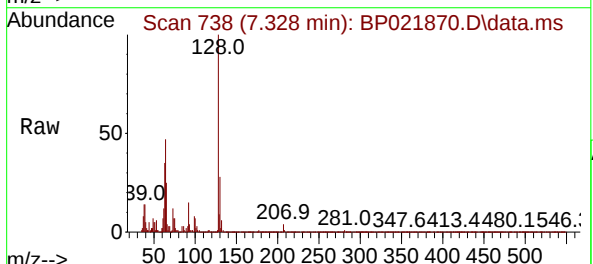
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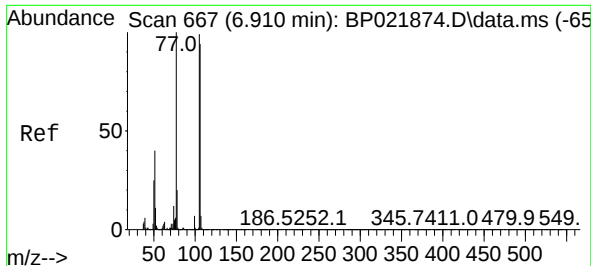
Tgt Ion: 99 Resp: 36986
Ion Ratio Lower Upper
99 100
42 17.7 12.2 18.4
71 41.6 27.7 41.5#



#8
2-Chlorophenol
Concen: 2.457 ng
RT: 7.328 min Scan# 738
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 128 Resp: 13948
Ion Ratio Lower Upper
128 100
130 28.0 11.7 51.7
64 46.7 31.0 71.0

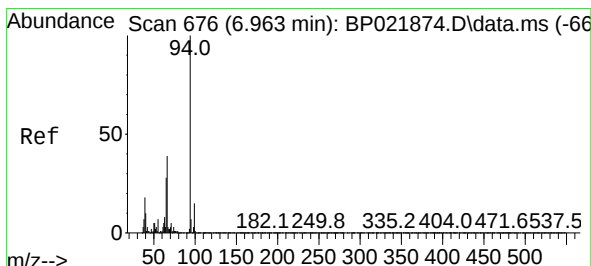
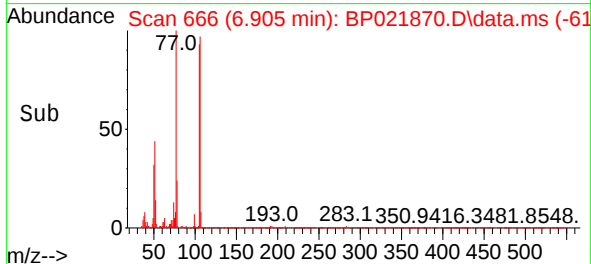
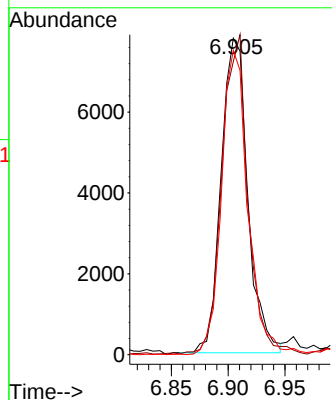
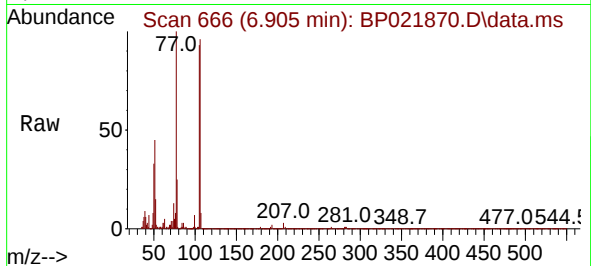




#9
Benzaldehyde
Concen: 2.875 ng
RT: 6.905 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021870.D
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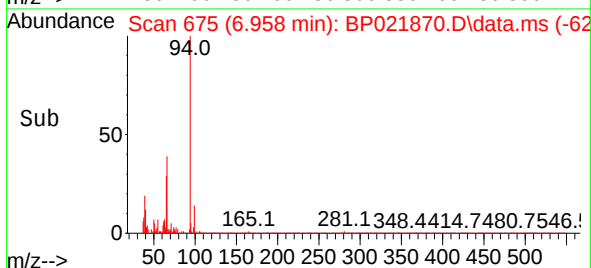
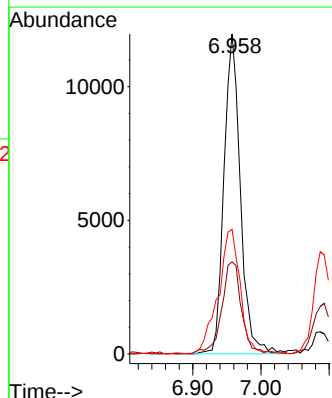
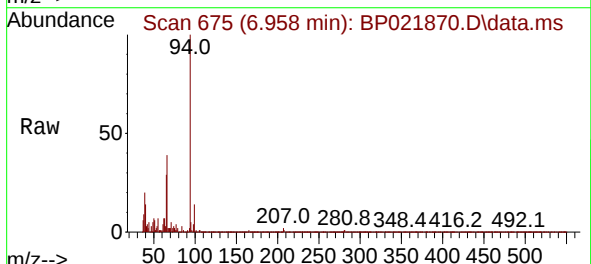
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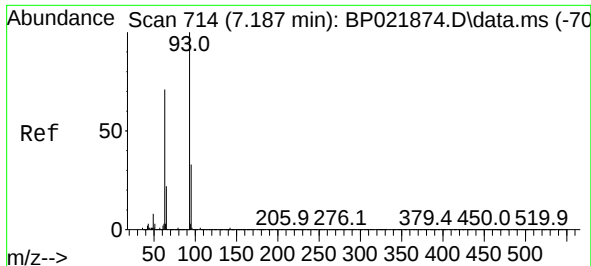
Tgt Ion: 77 Resp: 12691
Ion Ratio Lower Upper
77 100
105 92.6 79.1 119.1
106 96.1 73.7 113.7



#10
Phenol
Concen: 2.364 ng
RT: 6.958 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 94 Resp: 20049
Ion Ratio Lower Upper
94 100
65 28.8 7.9 47.9
66 39.0 19.5 59.5





#11

bis(2-Chloroethyl)ether

Concen: 2.327 ng

RT: 7.181 min Scan# 714

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

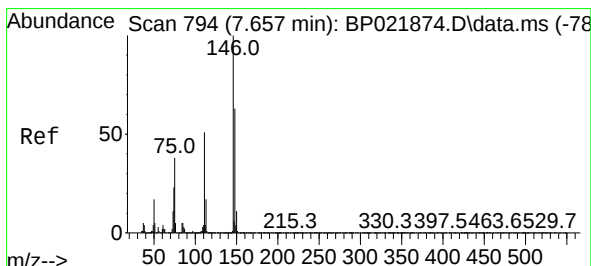
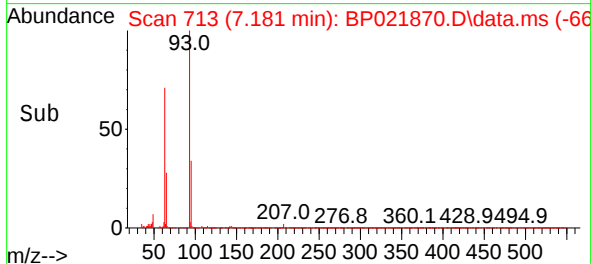
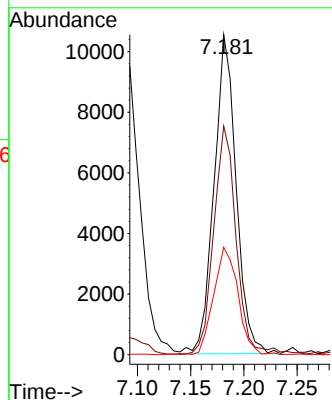
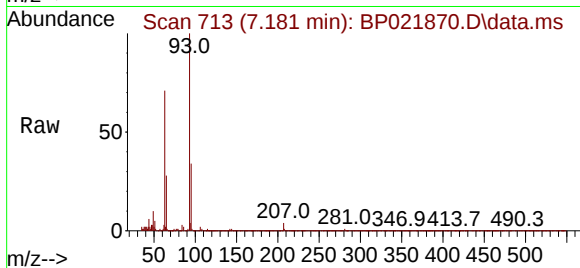
Tgt Ion: 93 Resp: 15182

Ion Ratio Lower Upper

93 100

63 71.5 51.2 91.2

95 33.5 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 2.607 ng

RT: 7.646 min Scan# 792

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

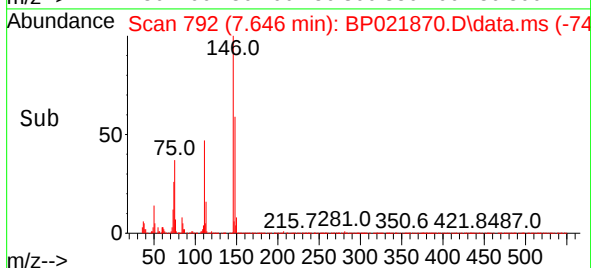
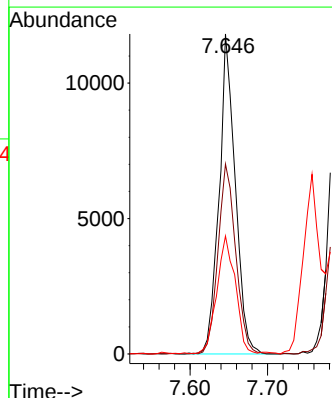
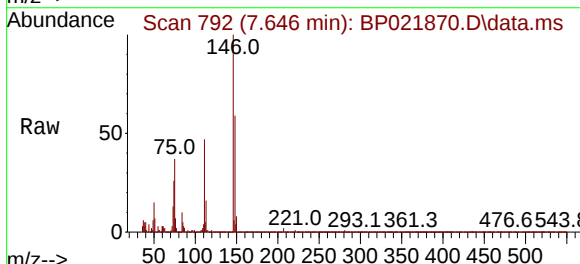
Tgt Ion:146 Resp: 17145

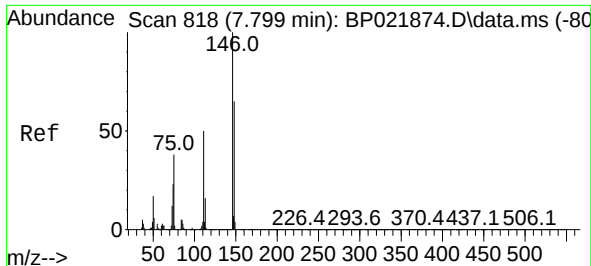
Ion Ratio Lower Upper

146 100

148 59.4 50.6 75.8

75 36.8 30.1 45.1





#13

1,4-Dichlorobenzene

Concen: 2.456 ng

RT: 7.793 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

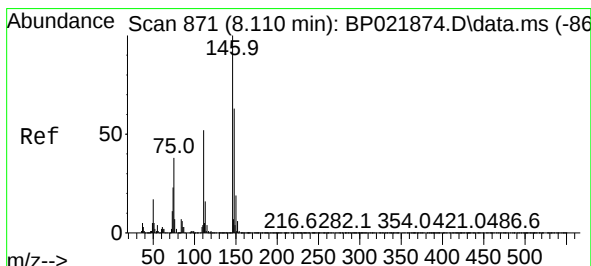
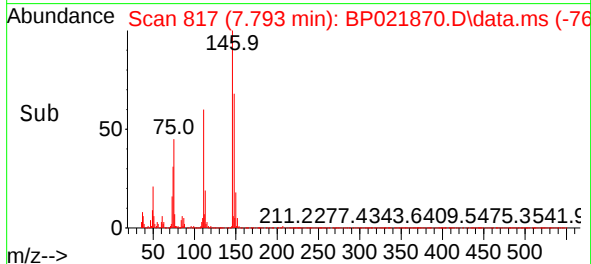
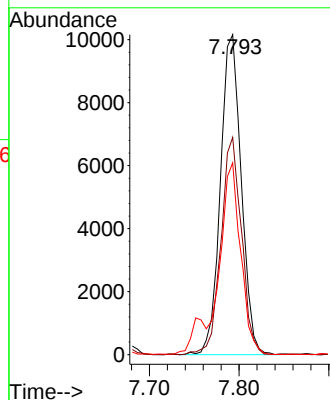
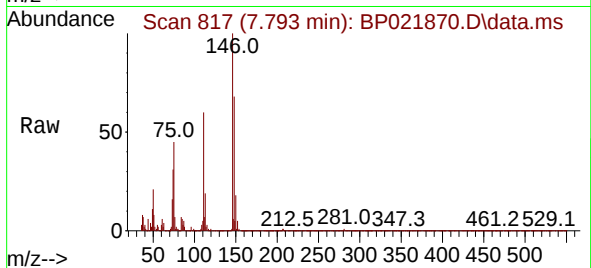
Tgt Ion:146 Resp: 16375

Ion Ratio Lower Upper

146 100

148 67.9 51.8 77.6

111 60.0 40.0 60.0



#14

1,2-Dichlorobenzene

Concen: 2.586 ng

RT: 8.105 min Scan# 870

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

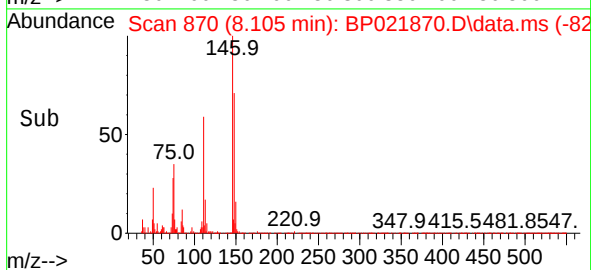
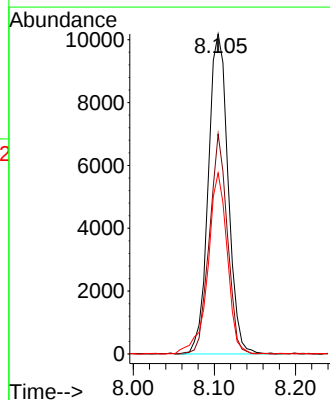
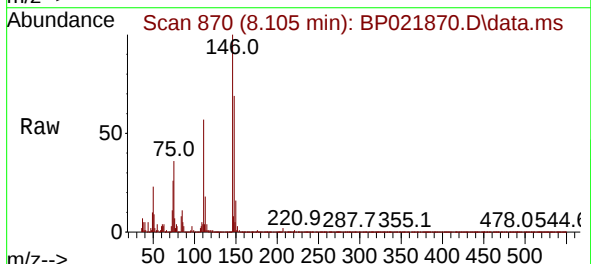
Tgt Ion:146 Resp: 17217

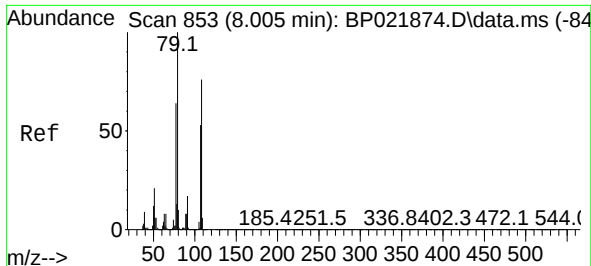
Ion Ratio Lower Upper

146 100

148 68.8 50.1 75.1

111 56.6 41.4 62.0

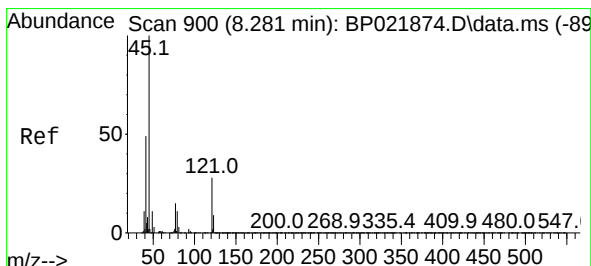
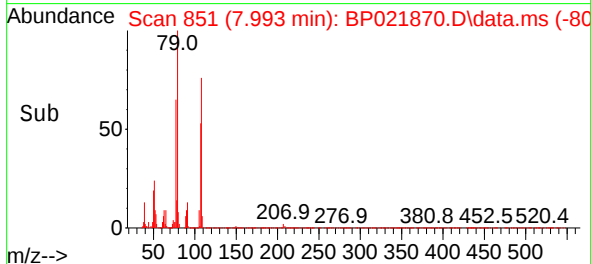
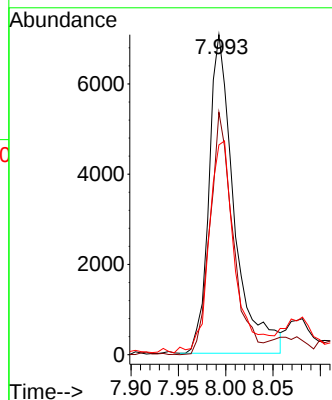
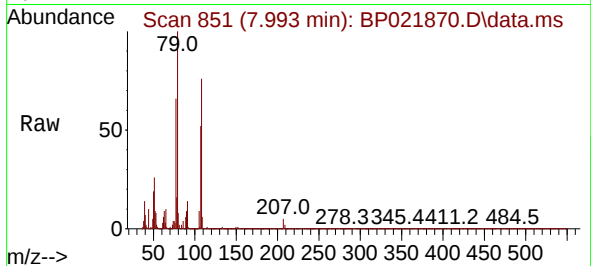




#15
Benzyl Alcohol
Concen: 2.104 ng
RT: 7.993 min Scan# 851
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

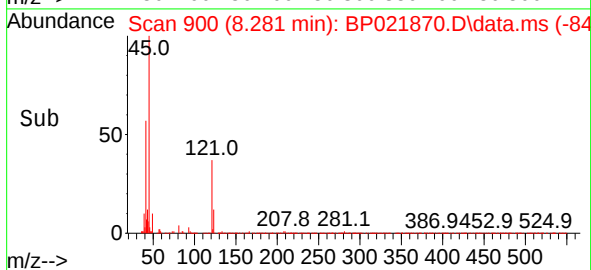
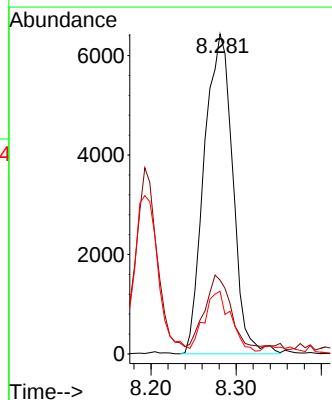
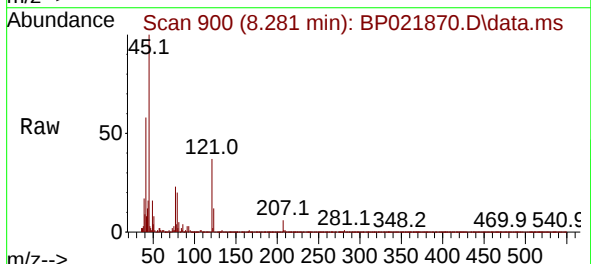
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

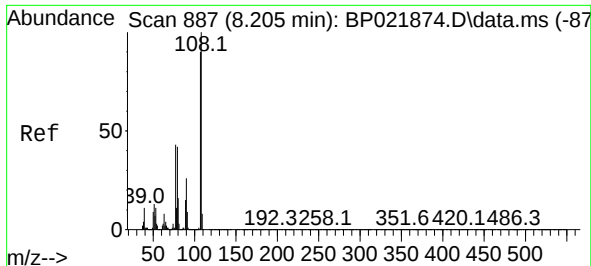
Tgt Ion: 79 Resp: 13050
Ion Ratio Lower Upper
79 100
108 75.7 60.7 91.1
77 65.6 51.0 76.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.230 ng
RT: 8.281 min Scan# 900
Delta R.T. 0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 45 Resp: 14975
Ion Ratio Lower Upper
45 100
77 23.1 0.0 39.6
79 19.6 0.0 35.0

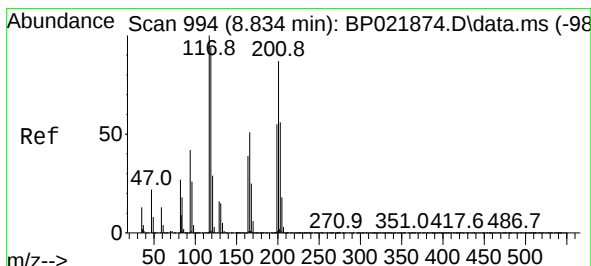
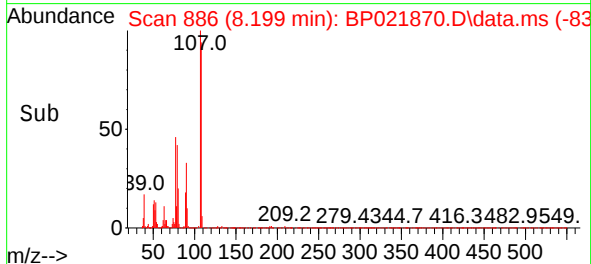
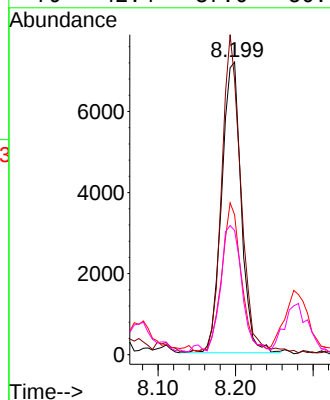
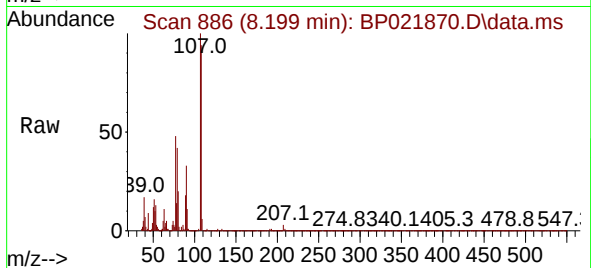




#17
2-Methylphenol
Concen: 2.098 ng
RT: 8.199 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

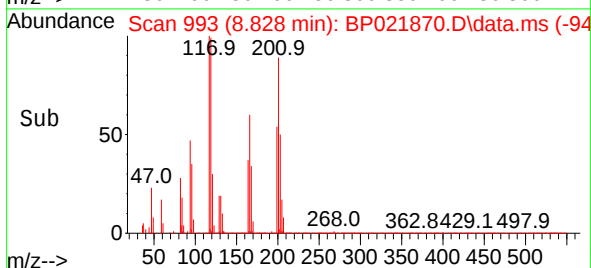
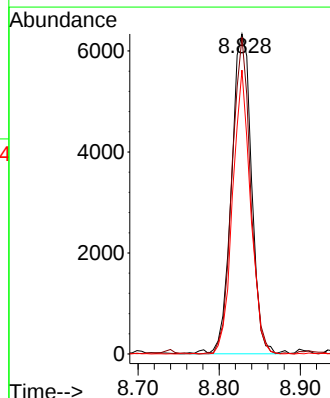
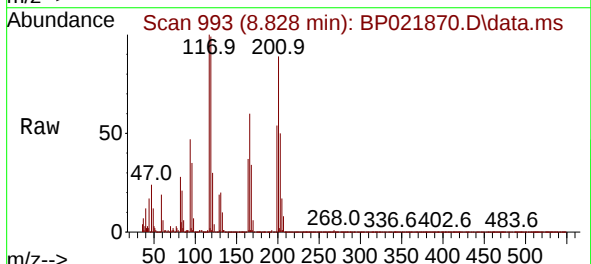
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

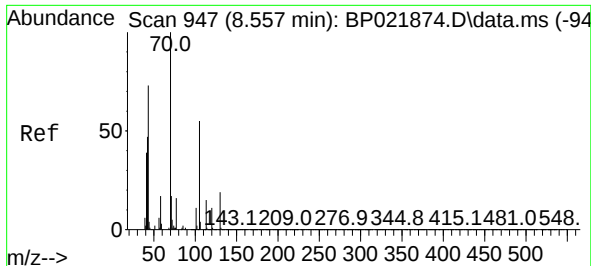
Tgt Ion:	107	Resp:	12575
Ion	Ratio	Lower	Upper
107	100		
108	93.9	89.1	133.7
77	47.8	38.6	58.0
79	42.4	37.6	56.4



#18
Hexachloroethane
Concen: 3.911 ng
RT: 8.828 min Scan# 993
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion:	117	Resp:	10869
Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.2	112.8
201	88.7	69.5	104.3





#19

n-Nitroso-di-n-propylamine

Concen: 2.221 ng

RT: 8.546 min Scan# 94

Delta R.T. -0.012 min

Lab File: BP021870.D

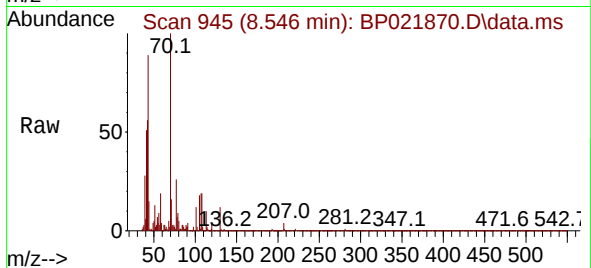
Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5



Tgt Ion: 70 Resp: 11606

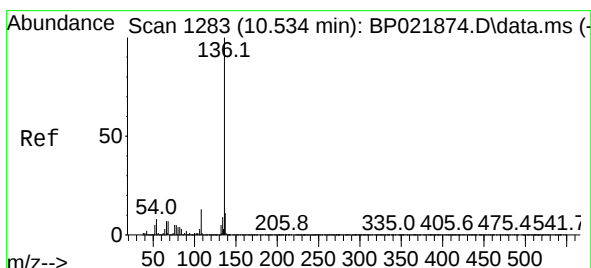
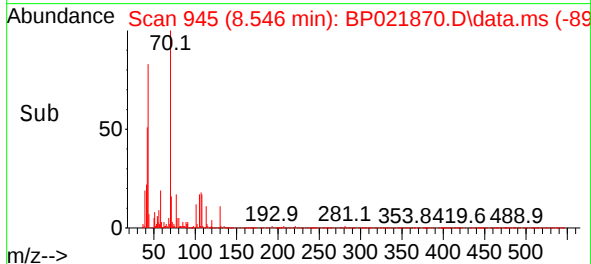
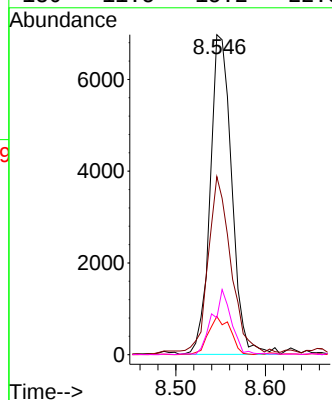
Ion Ratio Lower Upper

70 100

42 55.7 37.6 56.4

101 12.0 8.6 13.0

130 11.5 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.528 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Tgt Ion: 136 Resp: 502534

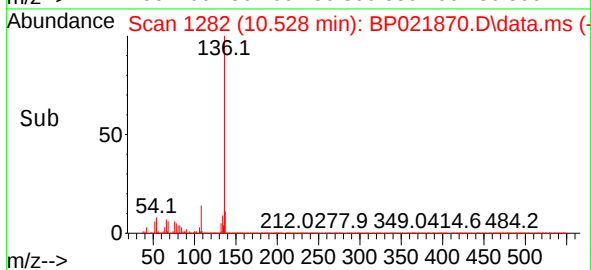
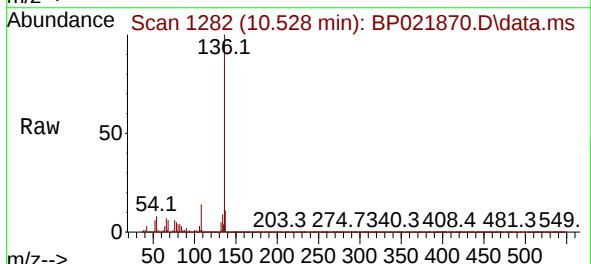
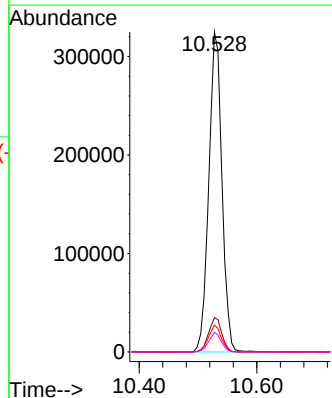
Ion Ratio Lower Upper

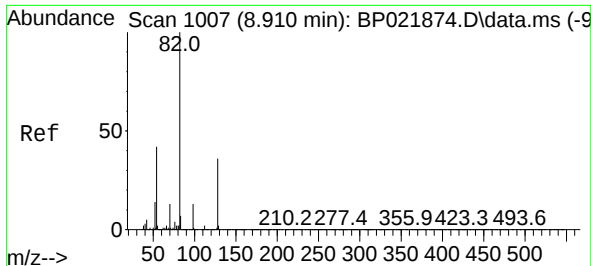
136 100

137 10.7 9.0 13.4

54 8.4 6.6 10.0

68 6.1 5.7 8.5

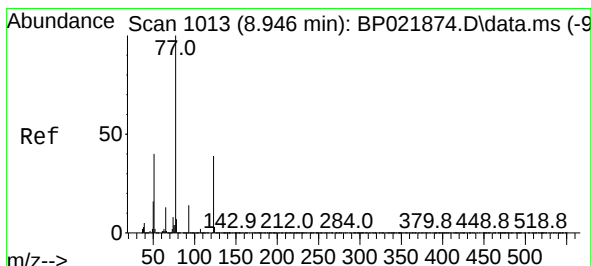
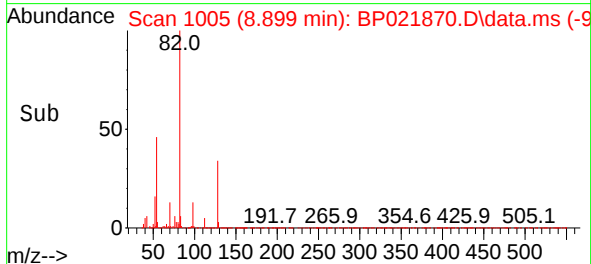
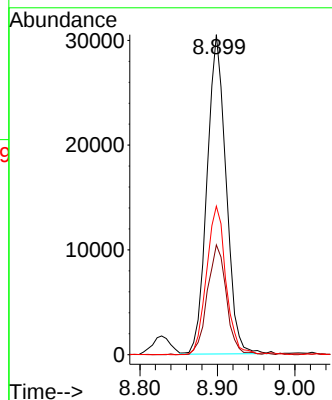
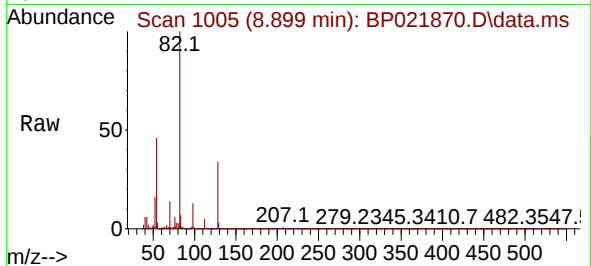




#23
Nitrobenzene-d5
Concen: 4.689 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

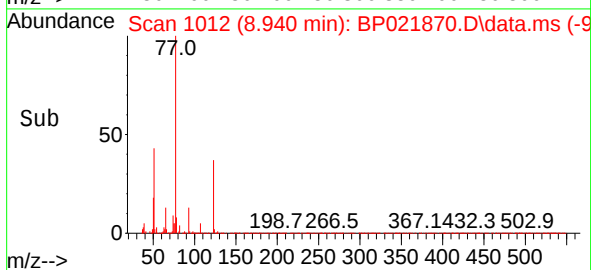
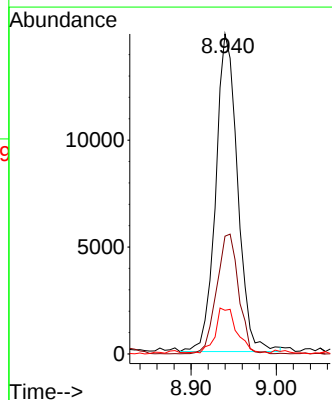
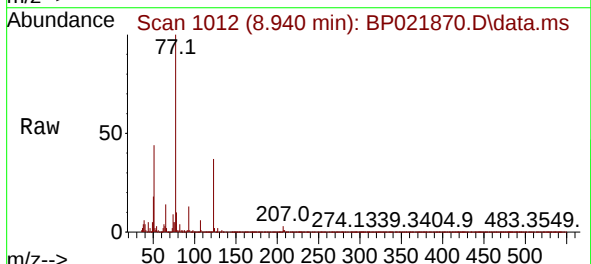
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

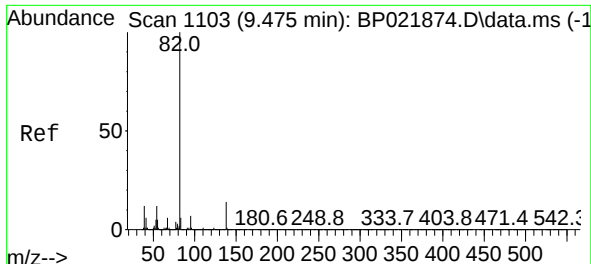
Tgt Ion: 82 Resp: 52016
Ion Ratio Lower Upper
82 100
128 34.3 28.6 43.0
54 46.4 33.2 49.8



#24
Nitrobenzene
Concen: 2.412 ng
RT: 8.940 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 77 Resp: 26526
Ion Ratio Lower Upper
77 100
123 36.8 31.2 46.8
65 13.7 10.3 15.5

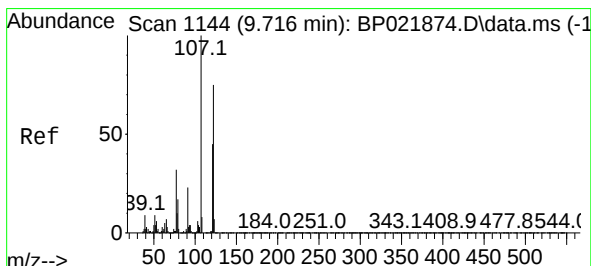
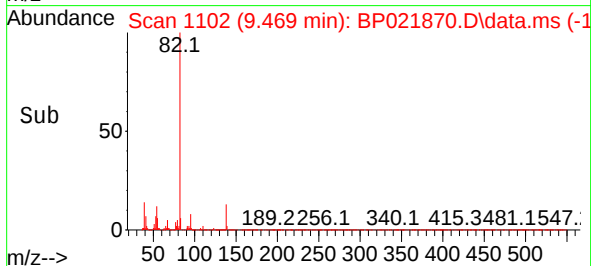
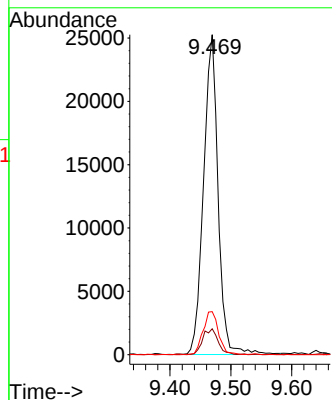
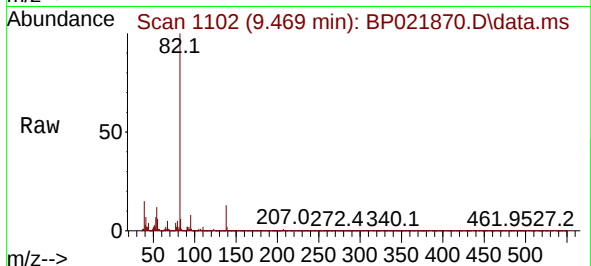




#25
Isophorone
Concen: 2.176 ng
RT: 9.469 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

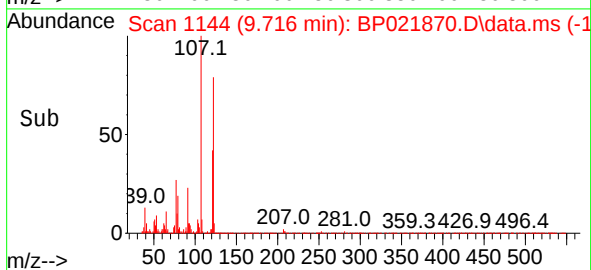
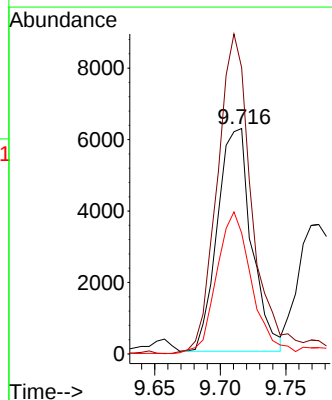
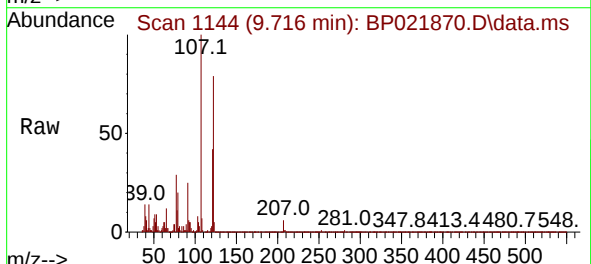
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

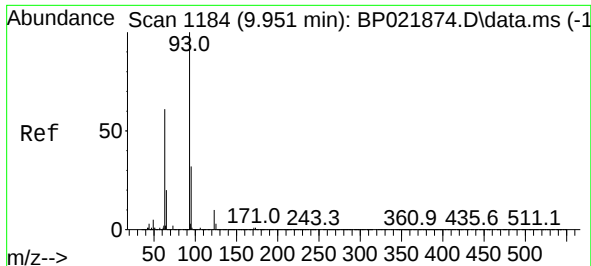
Tgt Ion: 82 Resp: 41893
Ion Ratio Lower Upper
82 100
95 8.1 5.9 8.9
138 13.4 11.2 16.8



#27
2,4-Dimethylphenol
Concen: 2.068 ng
RT: 9.716 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 122 Resp: 11350
Ion Ratio Lower Upper
122 100
107 127.0 106.9 160.3
121 53.6 48.0 72.0





#28

bis(2-Chloroethoxy)methane

Concen: 2.351 ng

RT: 9.940 min Scan# 1184

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

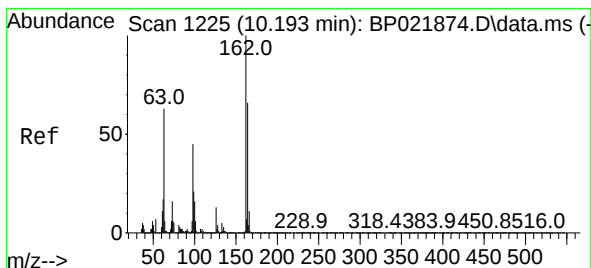
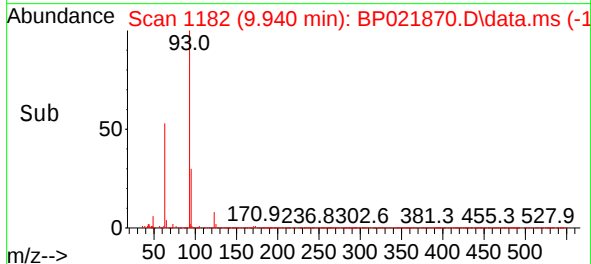
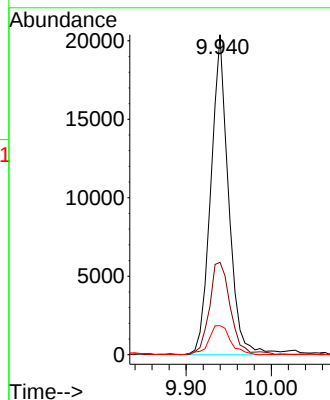
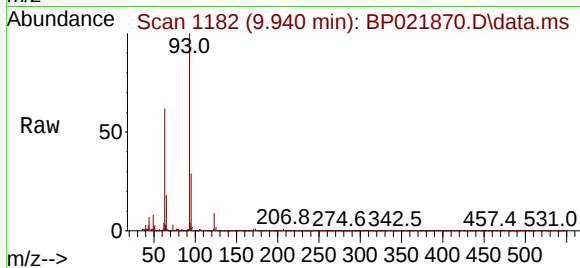
Tgt Ion: 93 Resp: 29413

Ion Ratio Lower Upper

93 100

95 28.8 25.7 38.5

123 9.0 8.0 12.0



#29

2,4-Dichlorophenol

Concen: 2.093 ng

RT: 10.181 min Scan# 1223

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

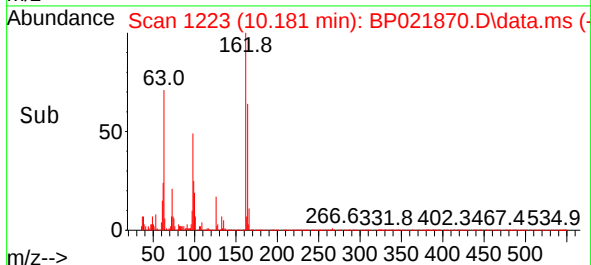
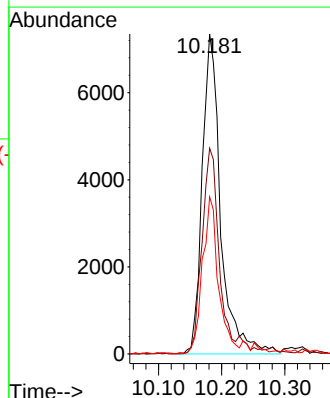
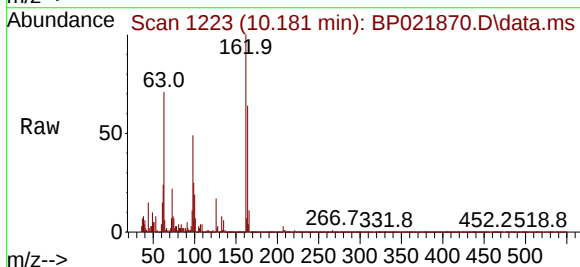
Tgt Ion: 162 Resp: 14945

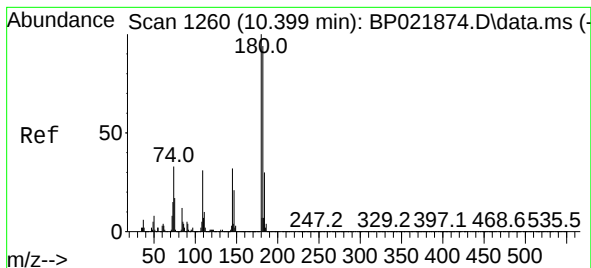
Ion Ratio Lower Upper

162 100

164 64.3 45.9 85.9

98 49.1 25.0 65.0





#30

1,2,4-Trichlorobenzene

Concen: 2.549 ng

RT: 10.399 min Scan# 1260

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

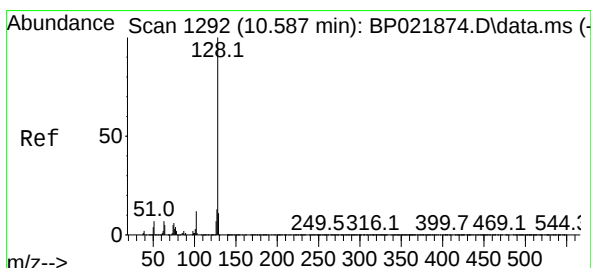
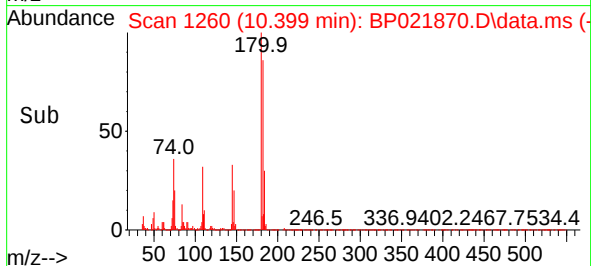
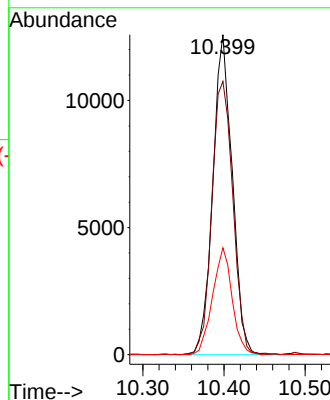
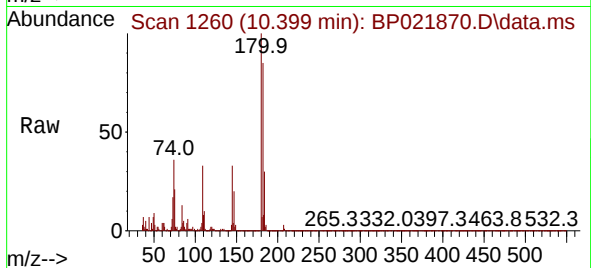
Tgt Ion:180 Resp: 20934

Ion Ratio Lower Upper

180 100

182 85.4 75.0 112.6

145 33.4 25.6 38.4



#31

Naphthalene

Concen: 2.596 ng

RT: 10.575 min Scan# 1290

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

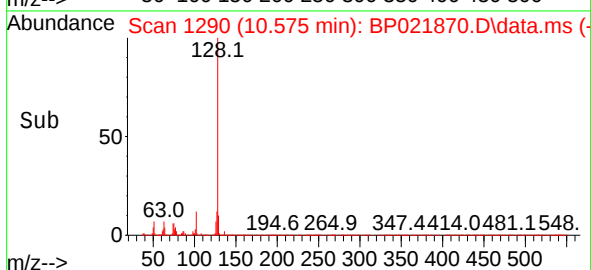
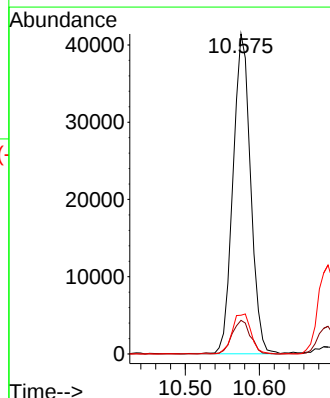
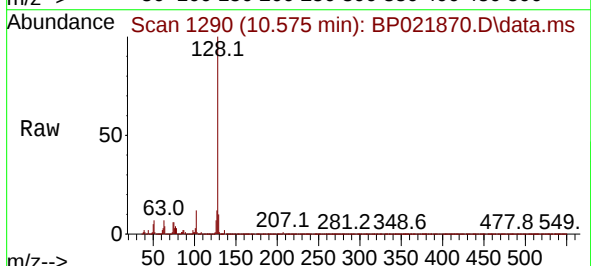
Tgt Ion:128 Resp: 68337

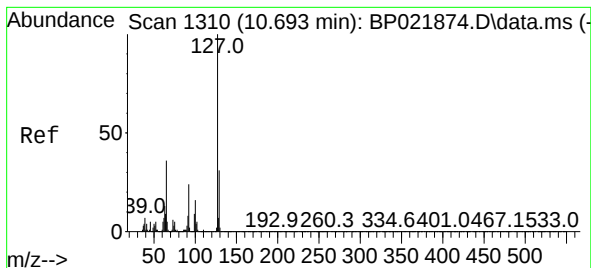
Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 12.1 10.6 15.8





#33

4-Chloroaniline

Concen: 2.259 ng

RT: 10.693 min Scan# 1310

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

Tgt Ion:127 Resp: 21810

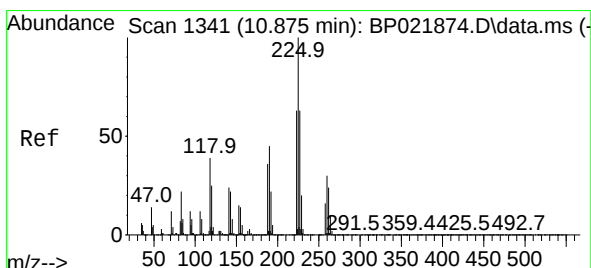
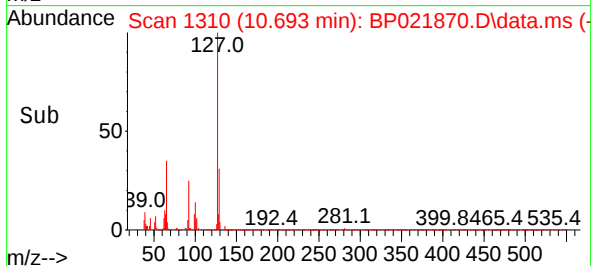
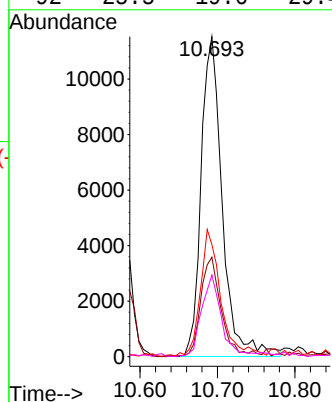
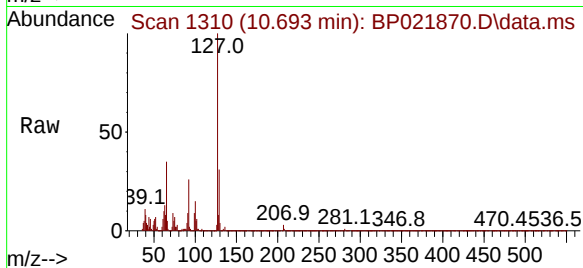
Ion Ratio Lower Upper

127 100

129 31.1 25.1 37.7

65 35.0 28.5 42.7

92 25.5 19.6 29.4



#34

Hexachlorobutadiene

Concen: 2.679 ng

RT: 10.863 min Scan# 1339

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

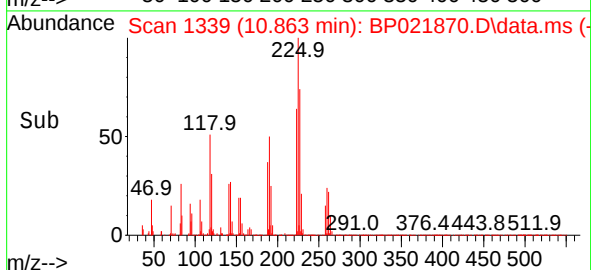
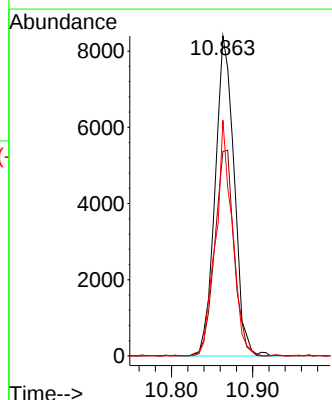
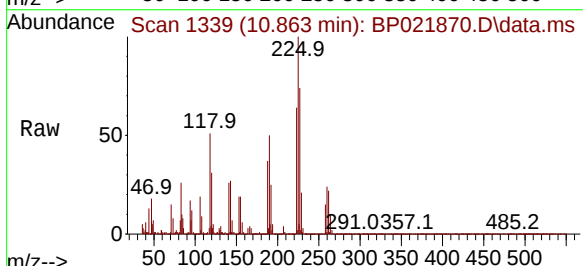
Tgt Ion:225 Resp: 13656

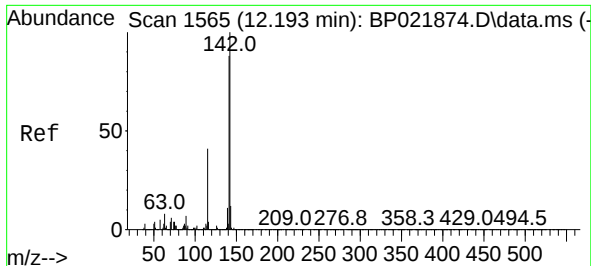
Ion Ratio Lower Upper

225 100

223 64.0 50.2 75.4

227 73.6 50.6 75.8

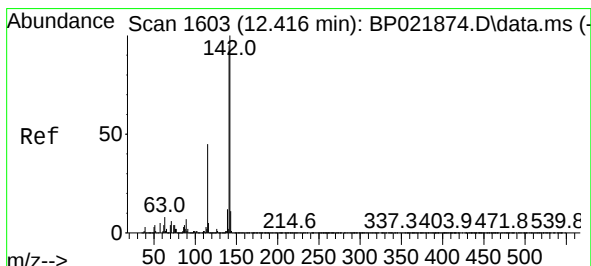
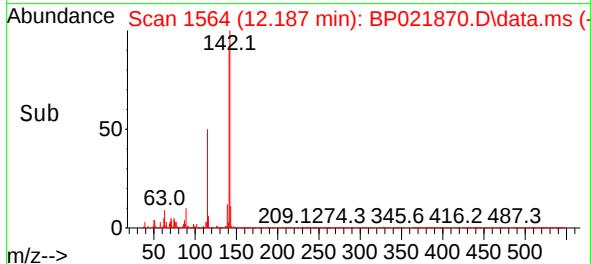
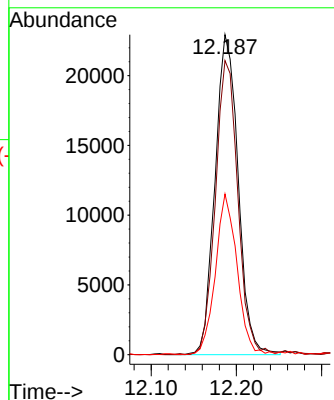
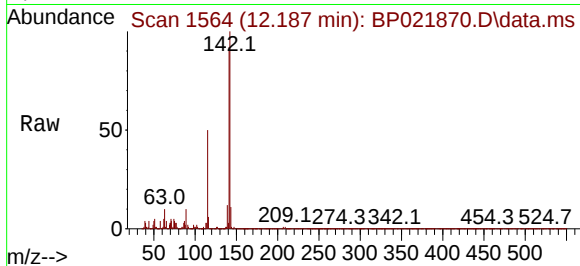




#37
2-Methylnaphthalene
Concen: 2.454 ng
RT: 12.187 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

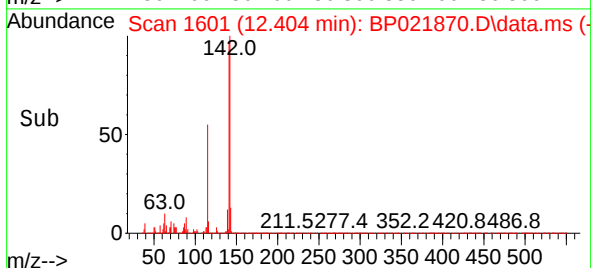
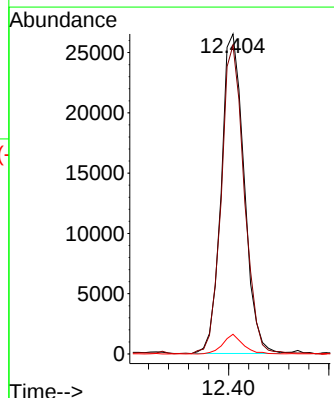
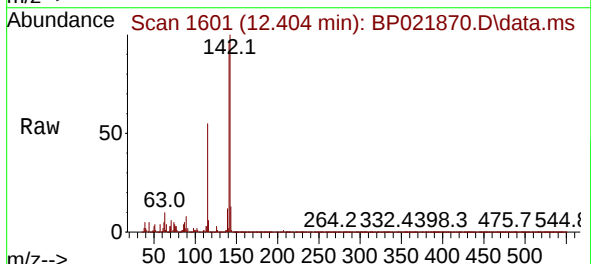
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

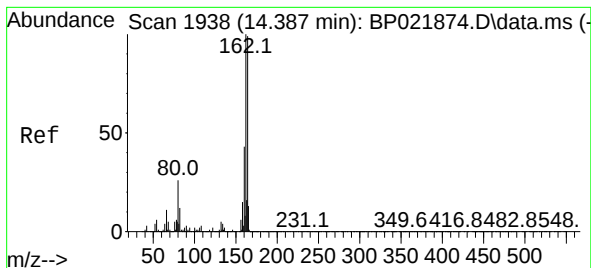
Tgt Ion:142 Resp: 43222
Ion Ratio Lower Upper
142 100
141 91.9 70.6 105.8
115 50.2 33.2 49.8#



#38
1-Methylnaphthalene
Concen: 2.383 ng
RT: 12.404 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion:142 Resp: 41899
Ion Ratio Lower Upper
142 100
141 96.5 75.7 113.5
116 6.1 3.7 5.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.381 min Scan# 1938

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

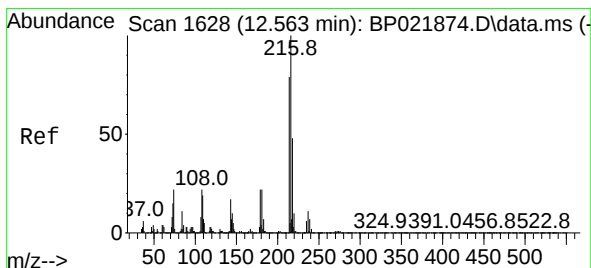
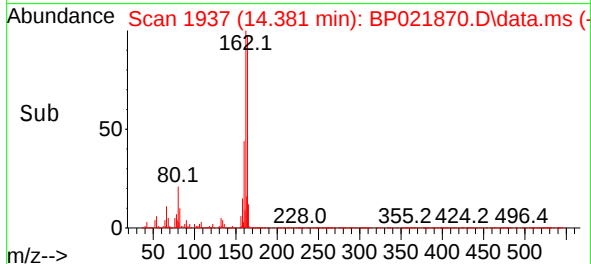
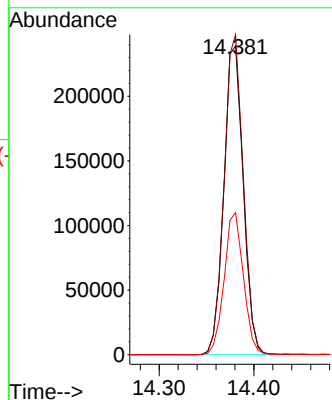
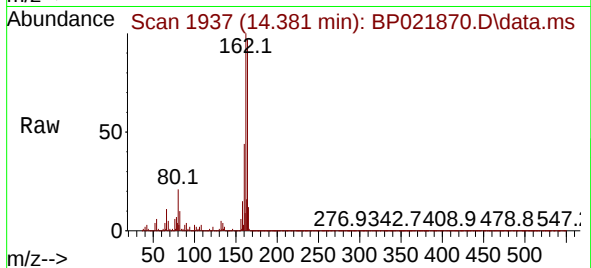
Tgt Ion:164 Resp: 339823

Ion Ratio Lower Upper

164 100

162 103.6 80.8 121.2

160 46.0 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.581 ng

RT: 12.563 min Scan# 1628

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Tgt Ion:216 Resp: 22648

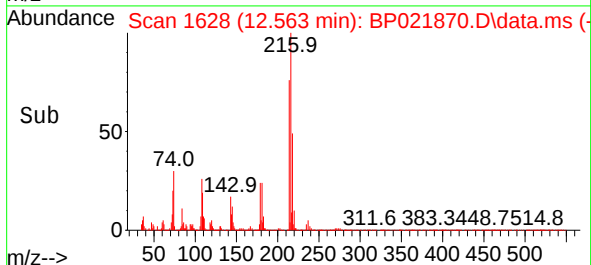
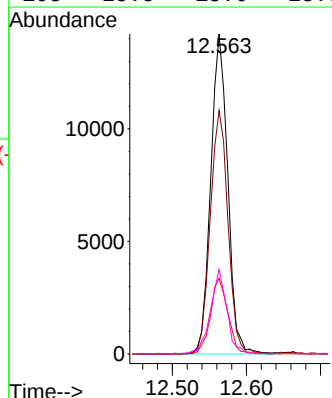
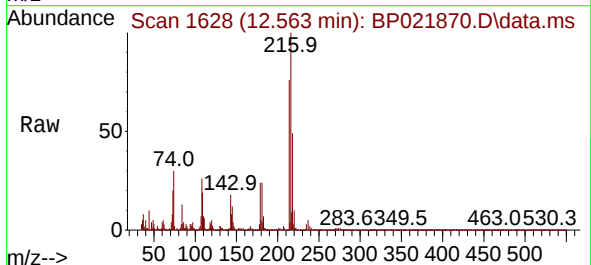
Ion Ratio Lower Upper

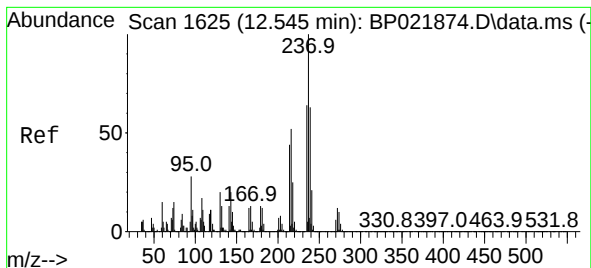
216 100

214 79.4 62.2 93.4

179 24.3 17.7 26.5

108 25.5 18.6 28.0





#41

Hexachlorocyclopentadiene

Concen: 2.112 ng

RT: 12.540 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

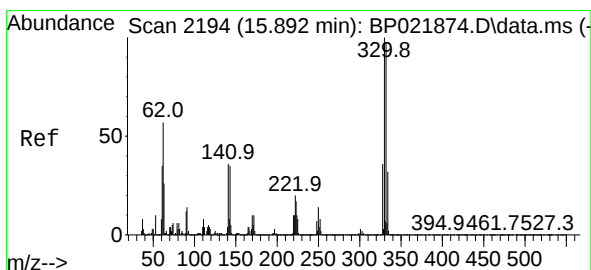
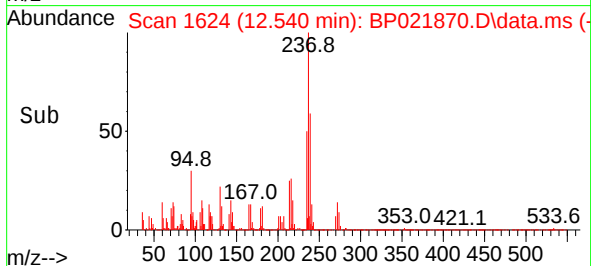
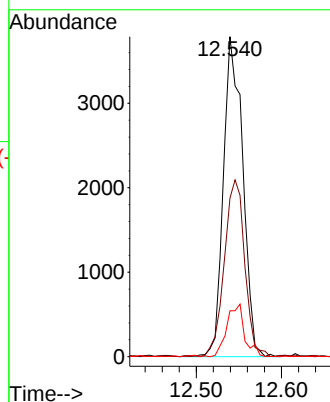
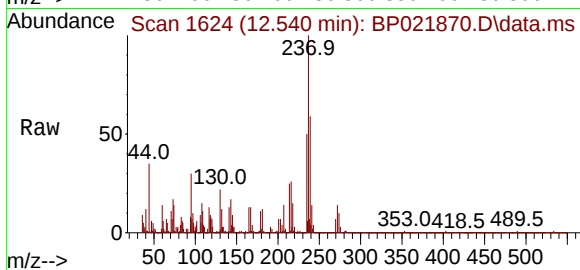
Tgt Ion:237 Resp: 5978

Ion Ratio Lower Upper

237 100

235 49.6 44.4 84.4

272 14.3 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 4.420 ng

RT: 15.892 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

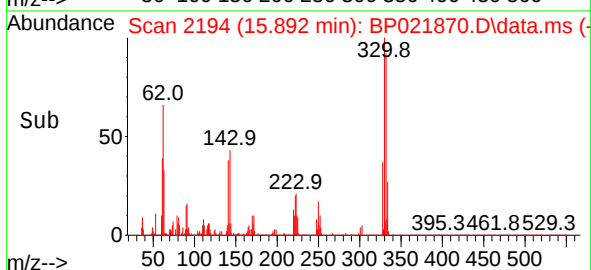
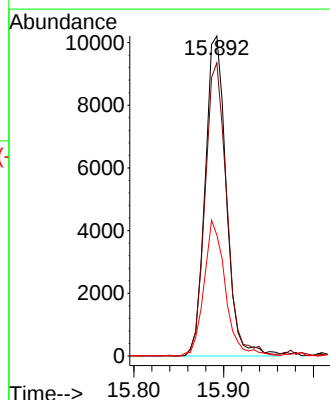
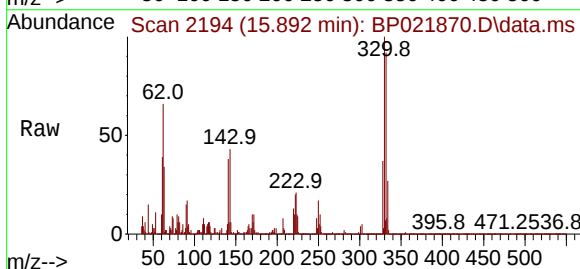
Tgt Ion:330 Resp: 16690

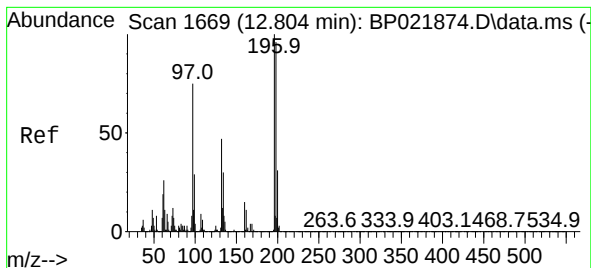
Ion Ratio Lower Upper

330 100

332 93.5 76.8 115.2

141 42.6 31.7 47.5





#43

2,4,6-Trichlorophenol

Concen: 2.074 ng

RT: 12.804 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

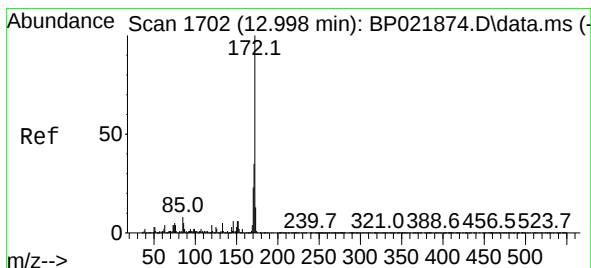
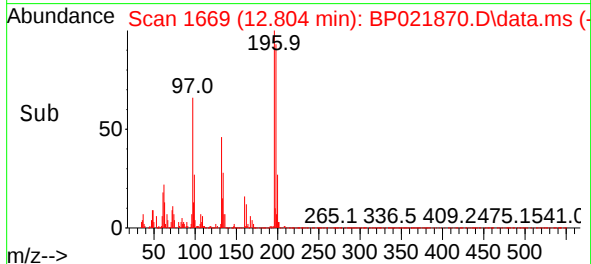
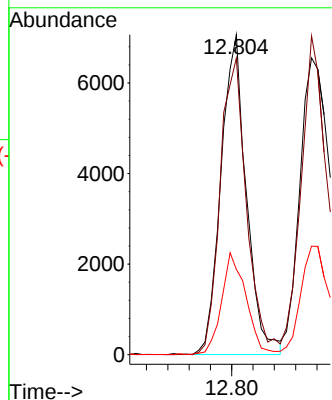
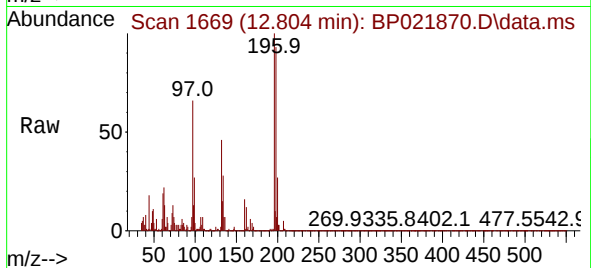
Tgt Ion:196 Resp: 11698

Ion Ratio Lower Upper

196 100

198 92.7 76.7 115.1

200 26.6 24.8 37.2



#45

2-Fluorobiphenyl

Concen: 5.306 ng

RT: 12.993 min Scan# 1701

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

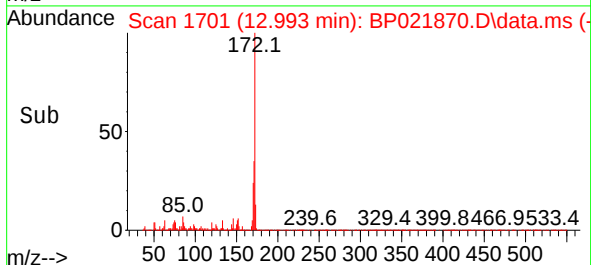
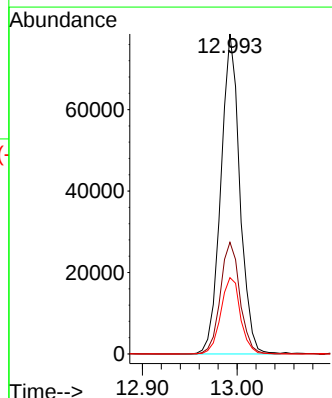
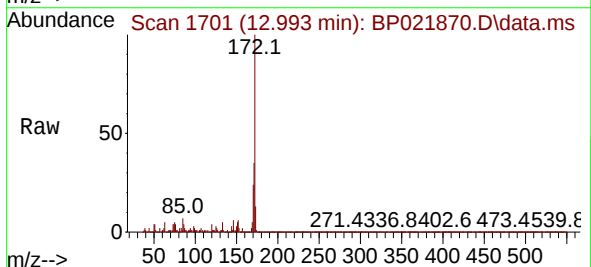
Tgt Ion:172 Resp: 109619

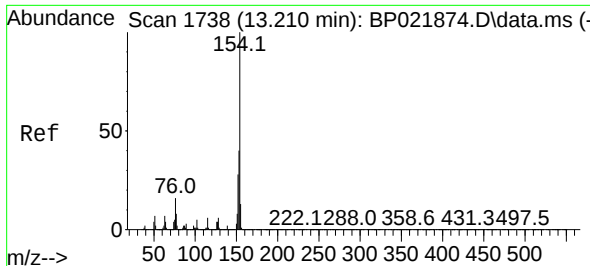
Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

170 23.8 18.7 28.1

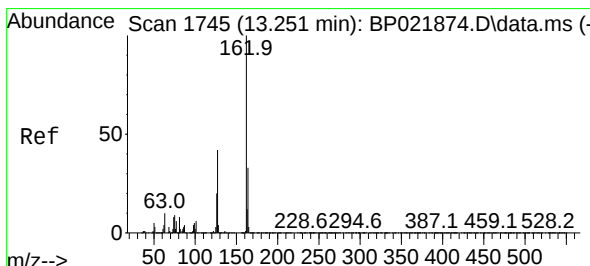
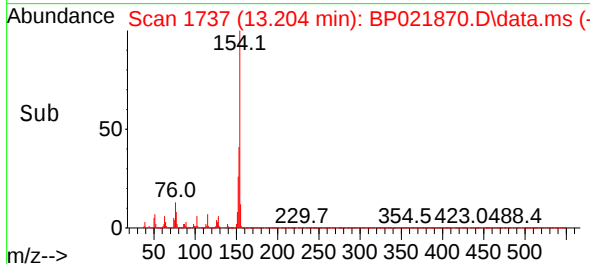
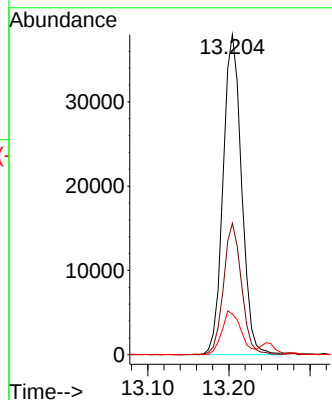
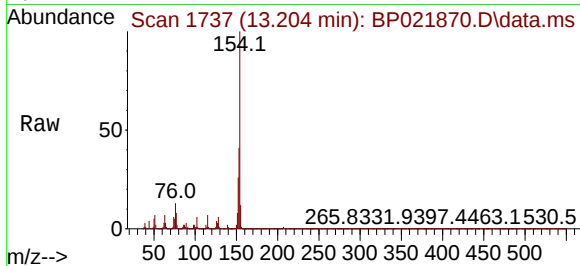




#46
1,1'-Biphenyl
Concen: 2.539 ng
RT: 13.204 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

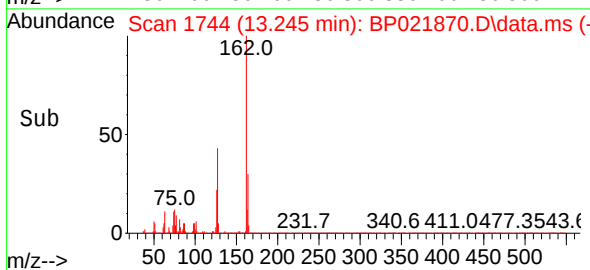
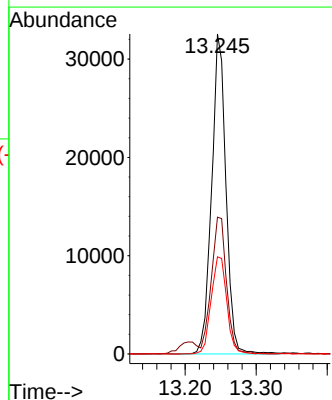
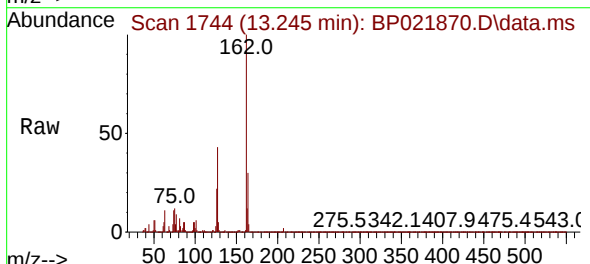
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

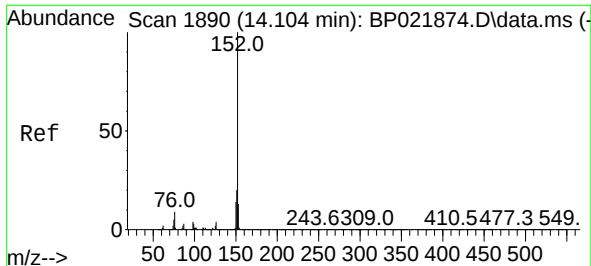
Tgt Ion:154 Resp: 60186
Ion Ratio Lower Upper
154 100
153 41.0 20.2 60.2
76 12.7 0.0 36.2



#47
2-Chloronaphthalene
Concen: 2.473 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion:162 Resp: 45559
Ion Ratio Lower Upper
162 100
127 42.8 34.3 51.5
164 30.3 26.0 39.0





#49

Acenaphthylene

Concen: 2.247 ng

RT: 14.098 min Scan# 1889

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

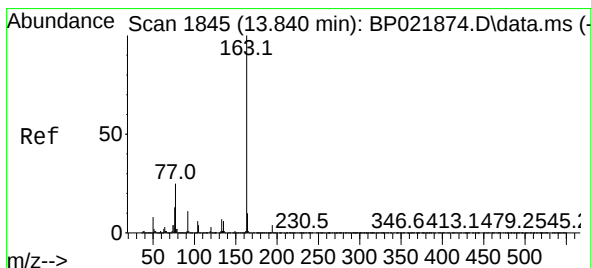
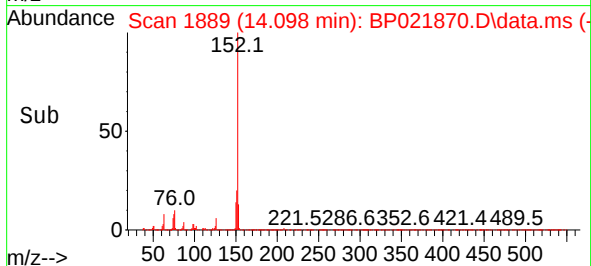
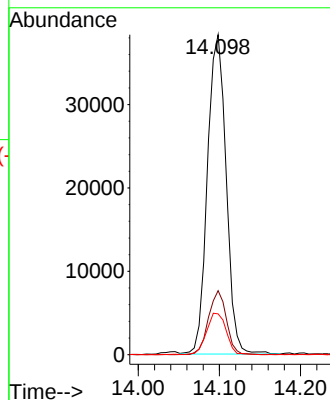
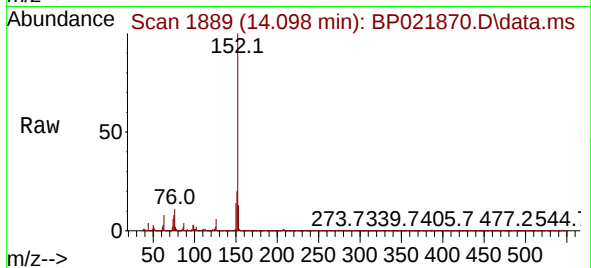
Tgt Ion:152 Resp: 61277

Ion Ratio Lower Upper

152 100

151 20.0 15.6 23.4

153 12.8 10.6 16.0



#50

Dimethylphthalate

Concen: 2.484 ng

RT: 13.834 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

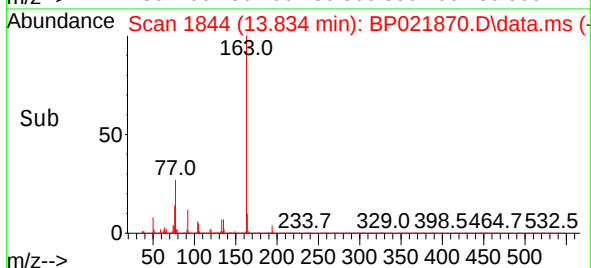
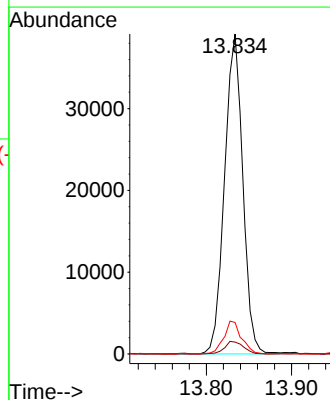
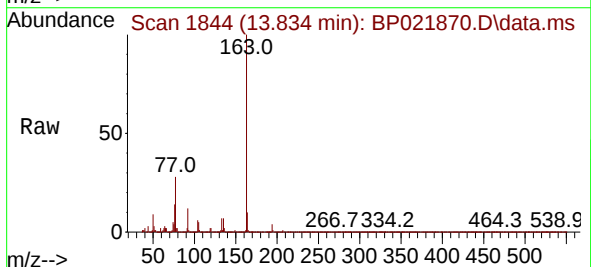
Tgt Ion:163 Resp: 58123

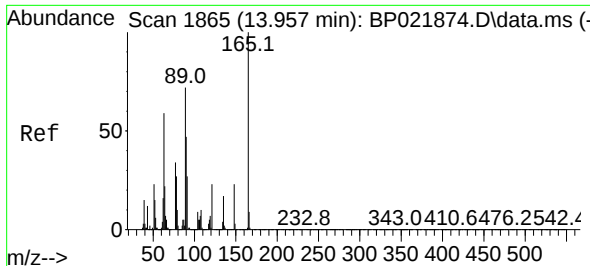
Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

164 9.8 8.1 12.1

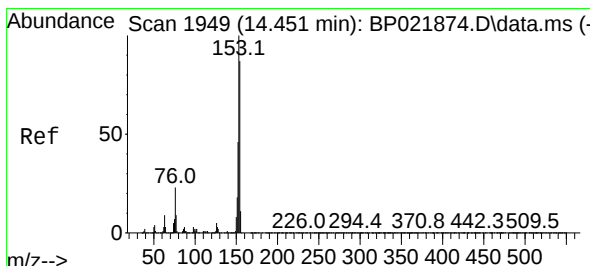
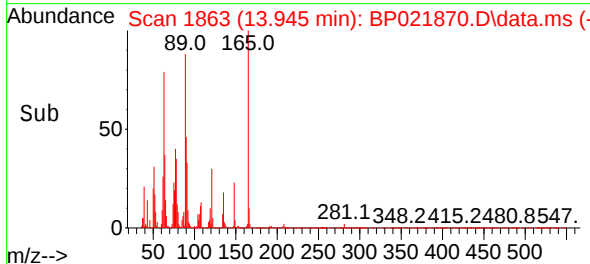
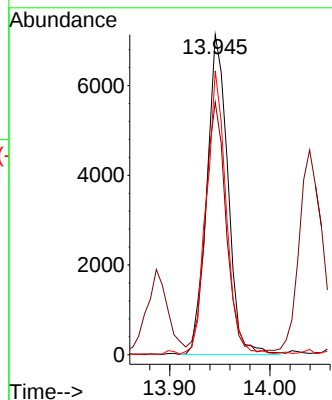
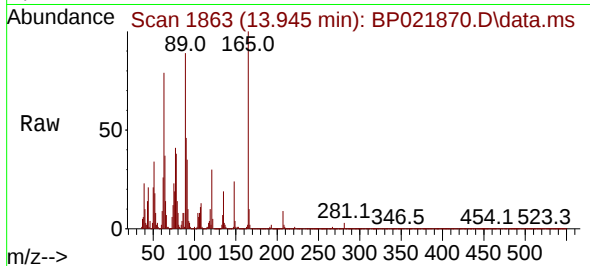




#51
2,6-Dinitrotoluene
Concen: 2.017 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

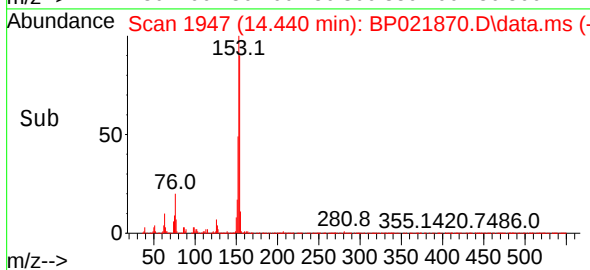
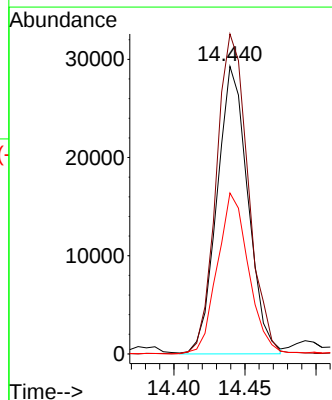
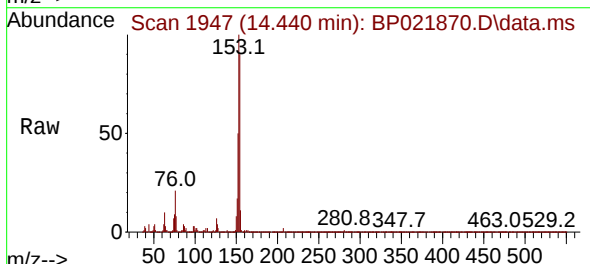
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

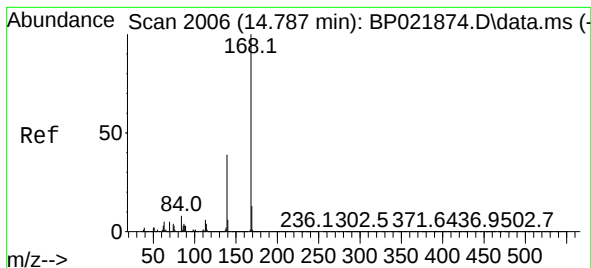
Tgt Ion:165 Resp: 10434
Ion Ratio Lower Upper
165 100
63 78.9 52.6 78.8#
89 88.7 58.0 87.0#



#52
Acenaphthene
Concen: 2.516 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion:154 Resp: 44346
Ion Ratio Lower Upper
154 100
153 111.3 91.4 137.2
152 56.0 42.3 63.5





#55

Dibenzenofuran

Concen: 2.640 ng

RT: 14.781 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

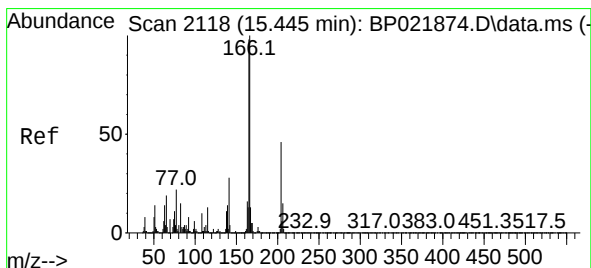
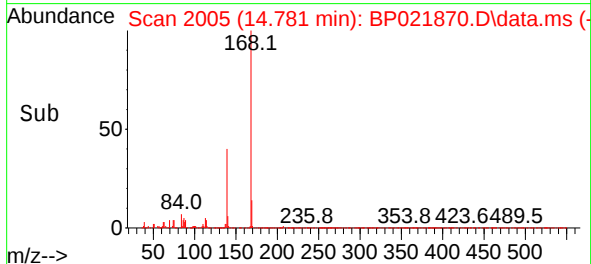
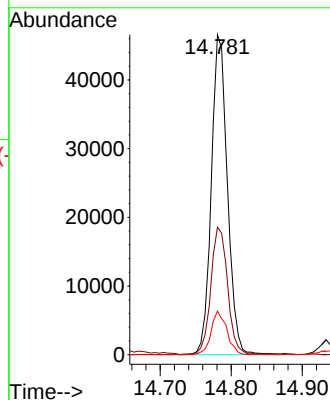
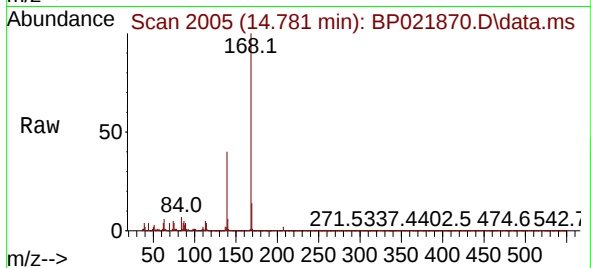
Tgt Ion:168 Resp: 73213

Ion Ratio Lower Upper

168 100

139 39.9 31.4 47.2

169 13.6 10.8 16.2



#58

Fluorene

Concen: 2.561 ng

RT: 15.439 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

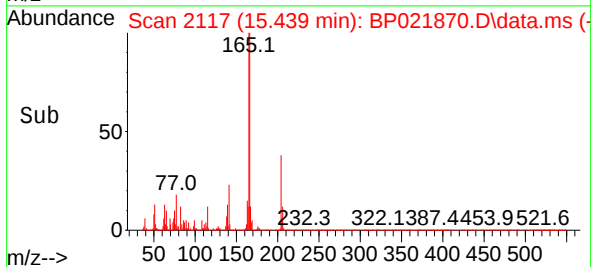
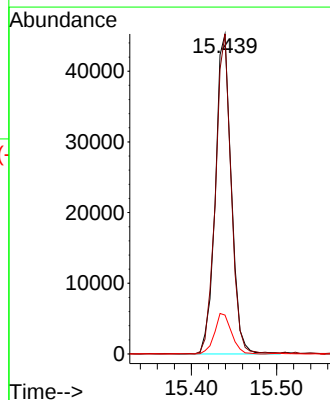
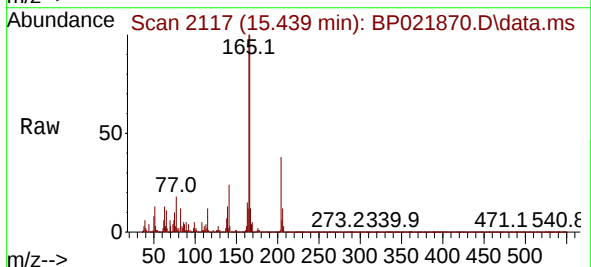
Tgt Ion:166 Resp: 58519

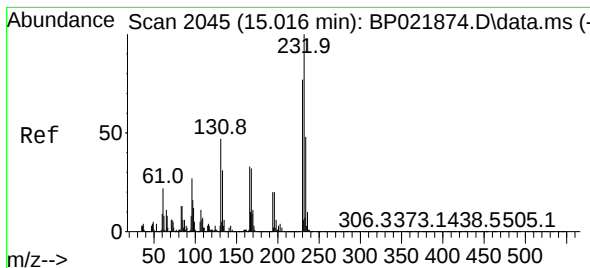
Ion Ratio Lower Upper

166 100

165 100.0 78.6 118.0

167 12.2 10.7 16.1

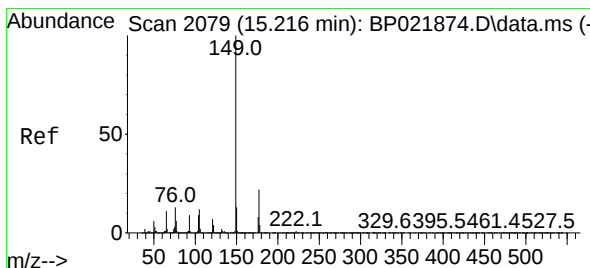
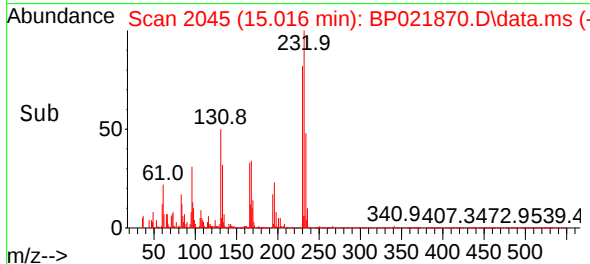
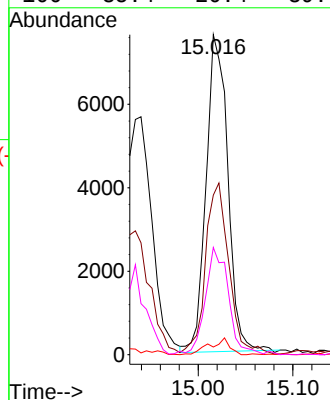
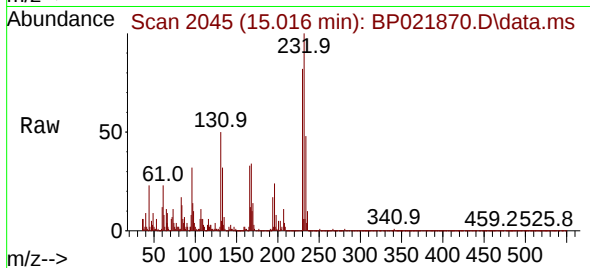




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.092 ng
RT: 15.016 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

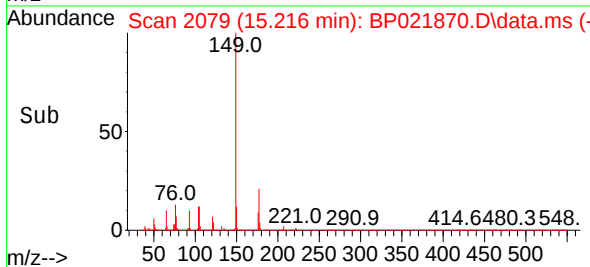
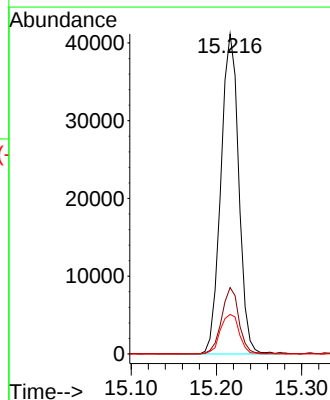
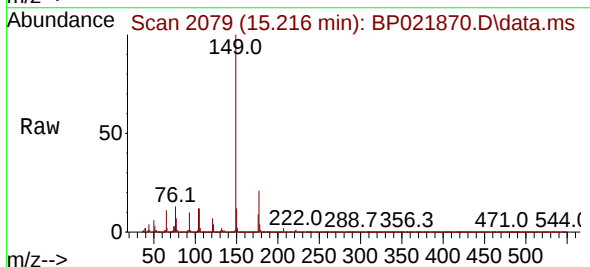
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

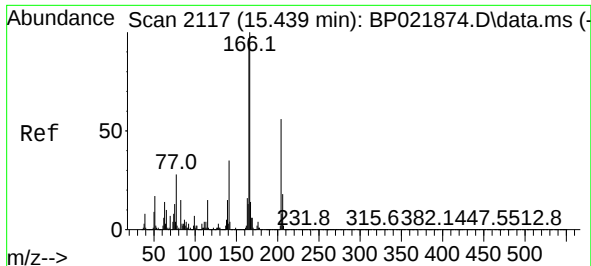
Tgt Ion:	232	Resp:	12061
Ion Ratio	Lower	Upper	
232	100		
131	58.4	39.2	58.8
130	4.8	2.2	3.2#
166	35.4	26.4	39.6



#60
Diethylphthalate
Concen: 2.470 ng
RT: 15.216 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion:	149	Resp:	59985
Ion Ratio	Lower	Upper	
149	100		
177	20.7	17.2	25.8
150	12.3	10.2	15.4

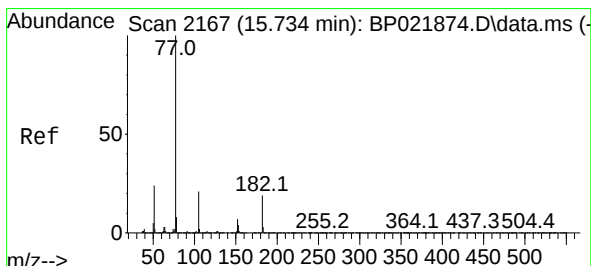
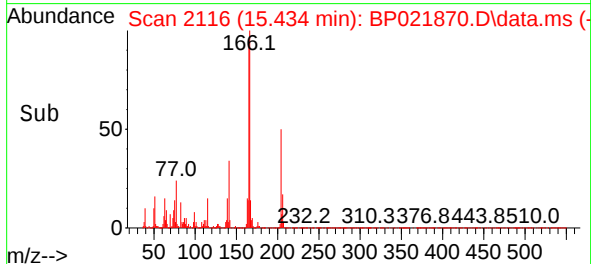
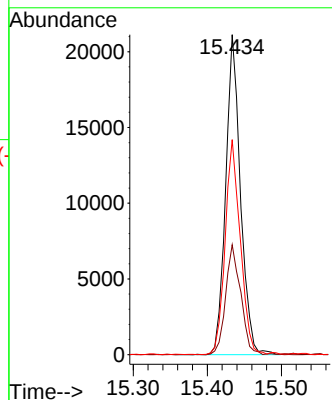
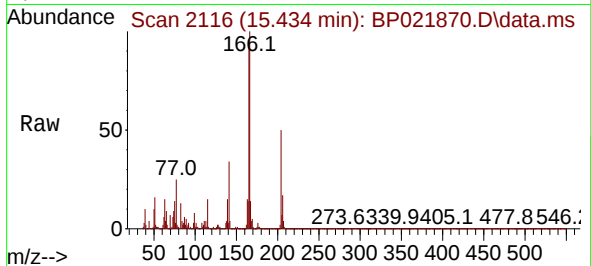




#61
4-Chlorophenyl-phenylether
Concen: 2.639 ng
RT: 15.434 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

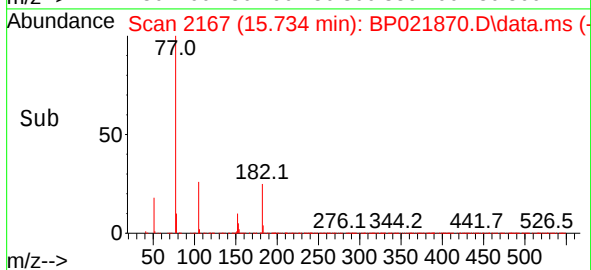
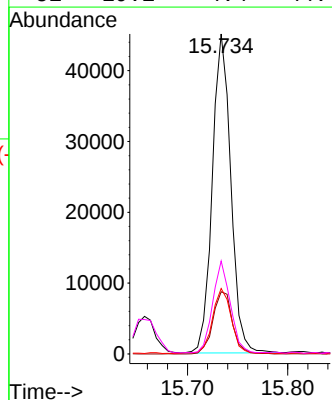
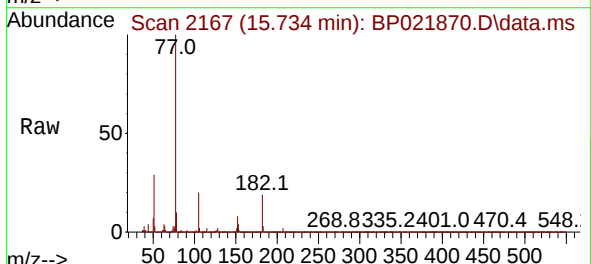
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

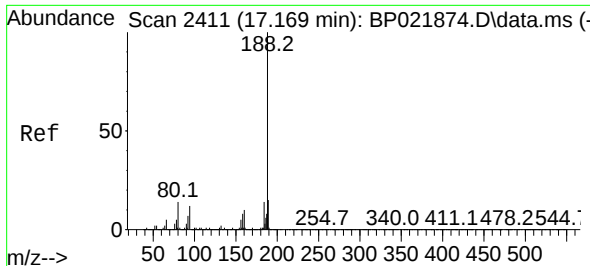
Tgt Ion: 204 Resp: 29248
Ion Ratio Lower Upper
204 100
206 34.4 26.2 39.4
141 67.2 50.7 76.1



#63
Azobenzene
Concen: 2.116 ng
RT: 15.734 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion: 77 Resp: 57822
Ion Ratio Lower Upper
77 100
182 19.4 0.0 39.3
105 20.5 1.1 41.1
51 29.1 4.4 44.4

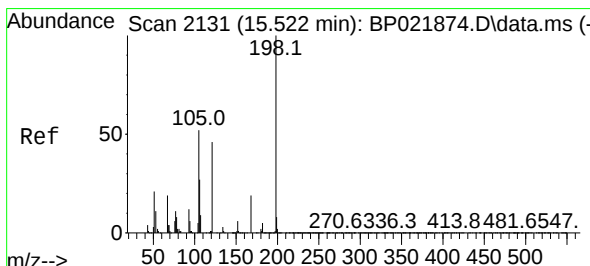
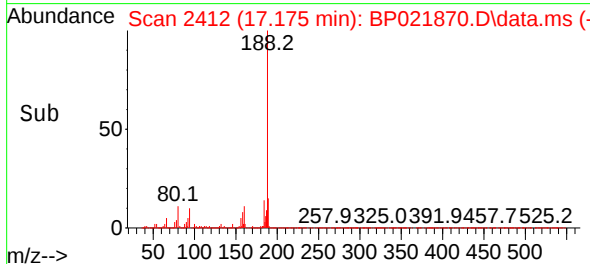
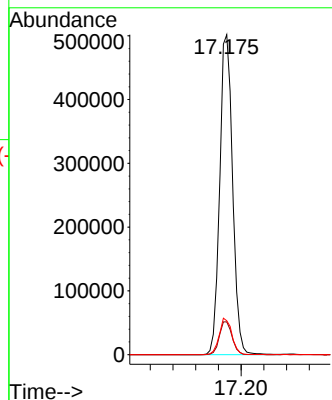
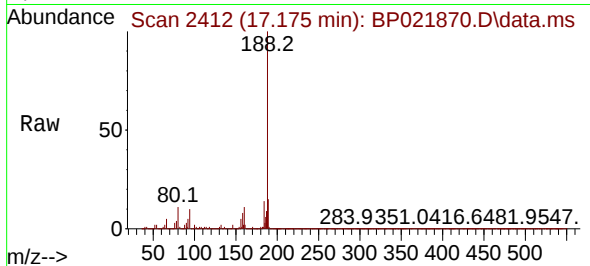




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

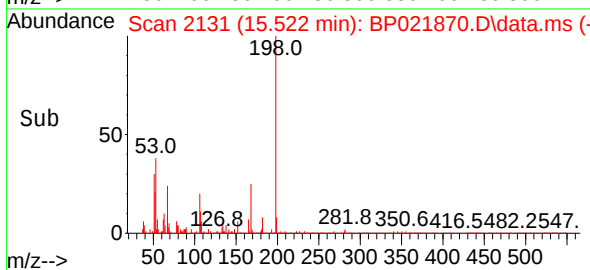
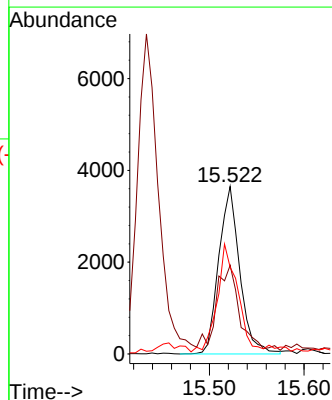
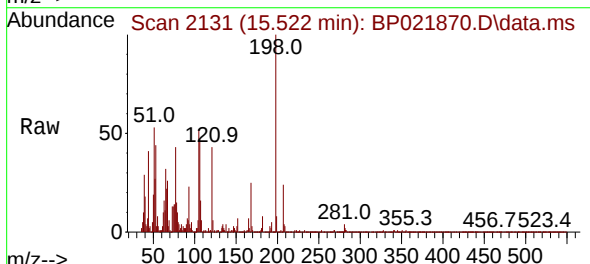
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

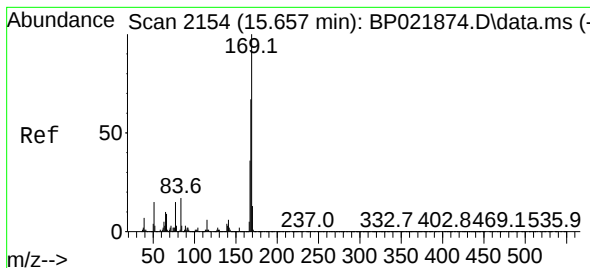
Tgt Ion:188 Resp: 789677
Ion Ratio Lower Upper
188 100
94 10.3 9.8 14.6
80 10.6 11.3 16.9#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.875 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.000 min
Lab File: BP021870.D
Acq: 10 Sep 2024 10:08

Tgt Ion:198 Resp: 5620
Ion Ratio Lower Upper
198 100
51 52.9 21.2 61.2
105 51.7 34.6 74.6





#66

n-Nitrosodiphenylamine

Concen: 2.365 ng

RT: 15.657 min Scan# 2154

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

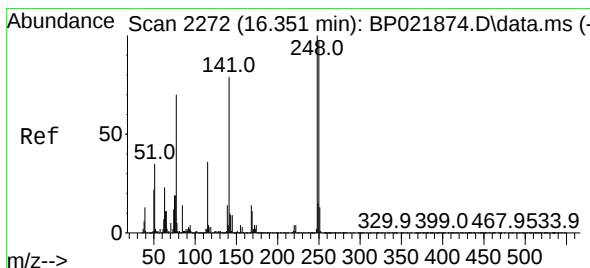
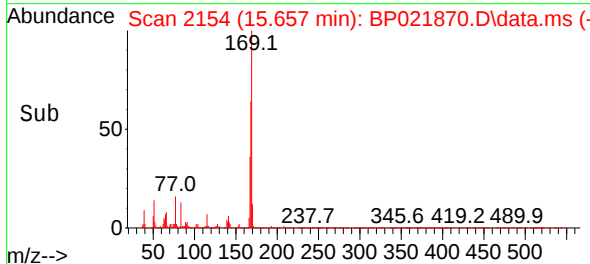
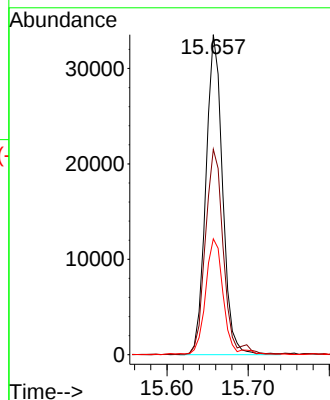
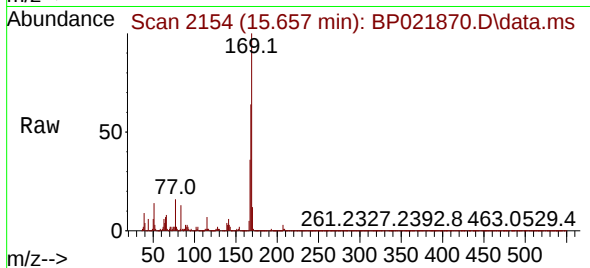
Tgt Ion:169 Resp: 47815

Ion Ratio Lower Upper

169 100

168 64.2 53.4 80.2

167 36.2 28.5 42.7



#67

4-Bromophenyl-phenylether

Concen: 2.281 ng

RT: 16.351 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

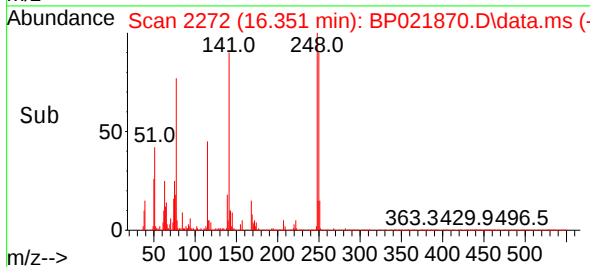
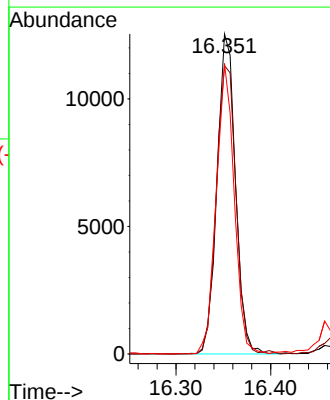
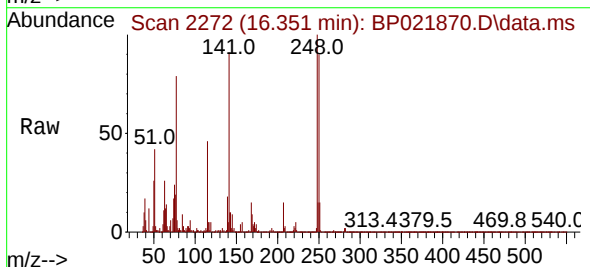
Tgt Ion:248 Resp: 16980

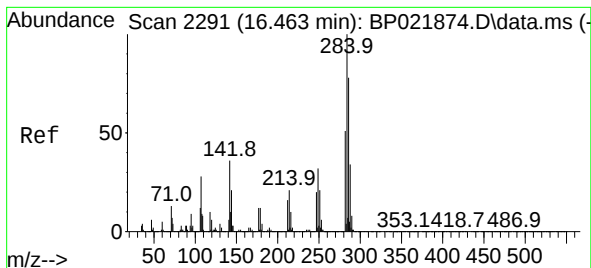
Ion Ratio Lower Upper

248 100

250 90.1 78.0 117.0

141 90.8 63.4 95.0





#68

Hexachlorobenzene

Concen: 2.440 ng

RT: 16.463 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

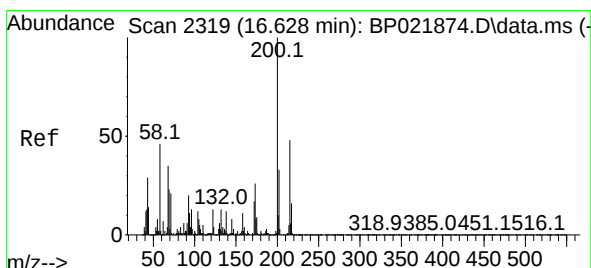
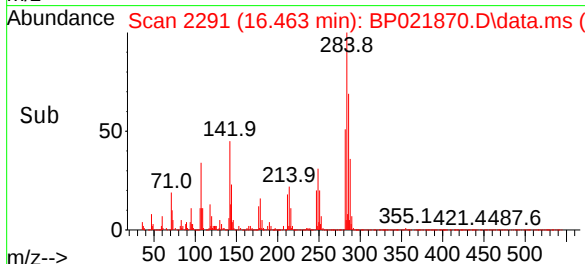
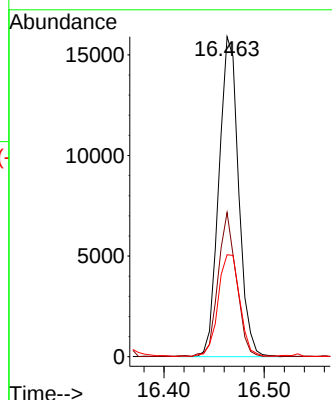
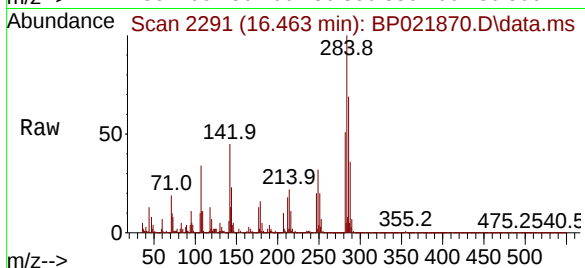
Tgt Ion:284 Resp: 21692

Ion Ratio Lower Upper

284 100

142 45.1 29.0 43.6#

249 31.8 25.5 38.3



#69

Atrazine

Concen: 2.494 ng

RT: 16.634 min Scan# 2320

Delta R.T. 0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

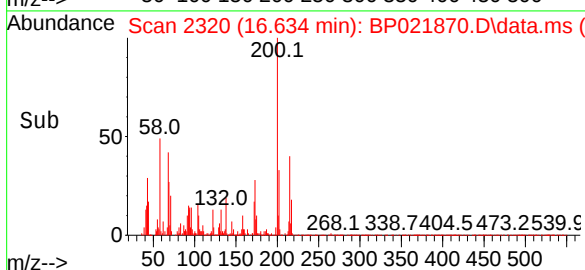
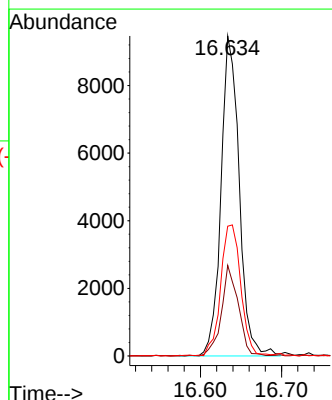
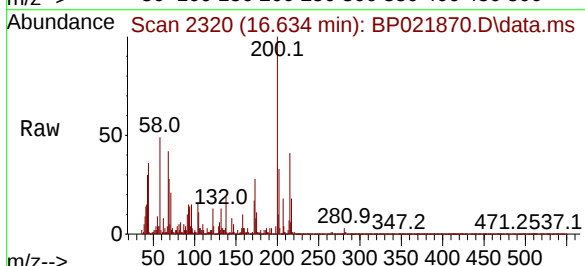
Tgt Ion:200 Resp: 14786

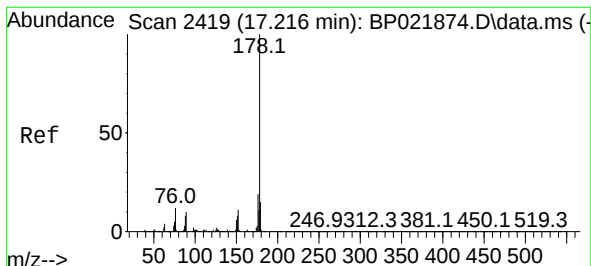
Ion Ratio Lower Upper

200 100

173 28.3 6.3 46.3

215 40.5 28.1 68.1





#71

Phenanthrene

Concen: 2.517 ng

RT: 17.222 min Scan# 2419

Delta R.T. 0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

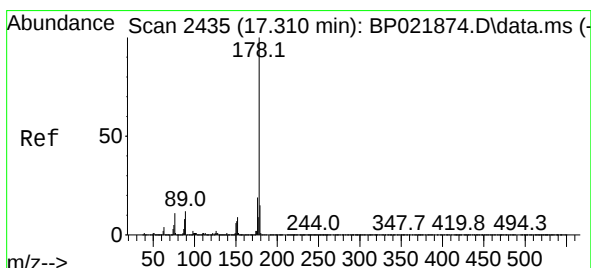
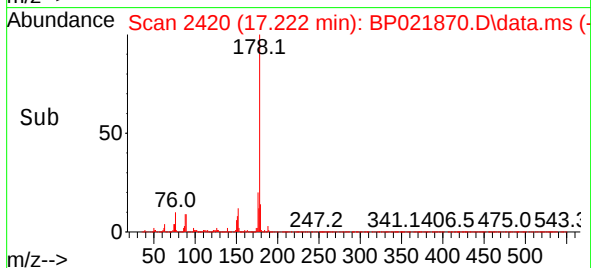
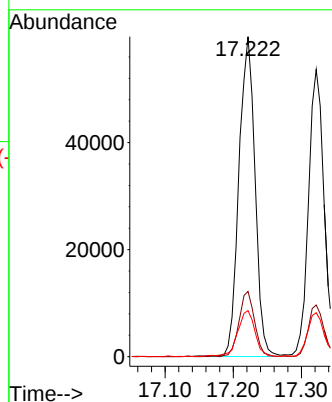
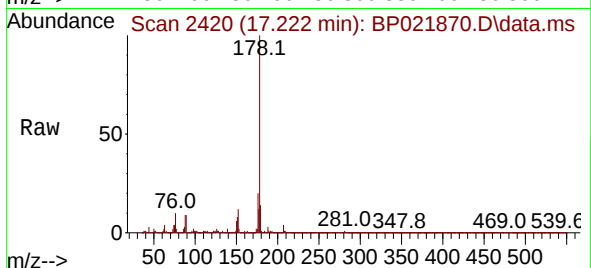
Tgt Ion:178 Resp: 98281

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

179 14.4 12.2 18.2



#72

Anthracene

Concen: 2.270 ng

RT: 17.322 min Scan# 2437

Delta R.T. 0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

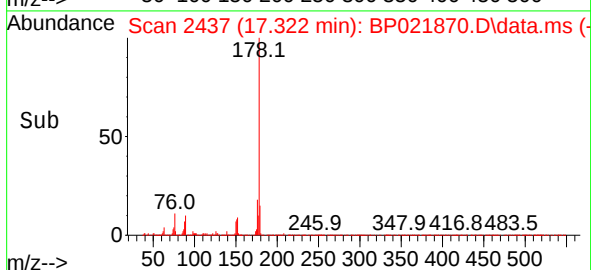
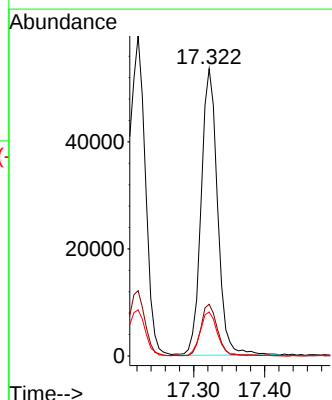
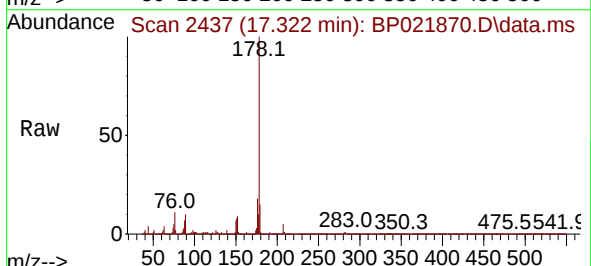
Tgt Ion:178 Resp: 86279

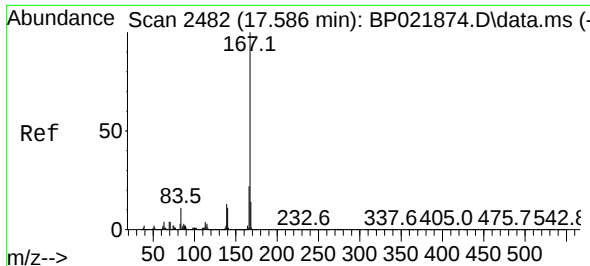
Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 15.3 12.3 18.5

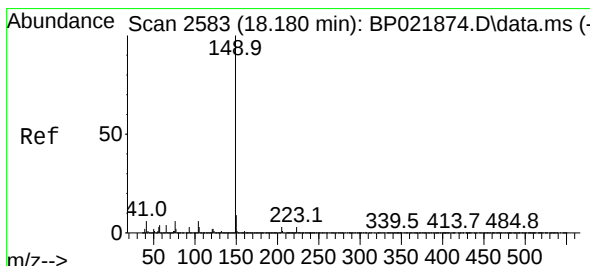
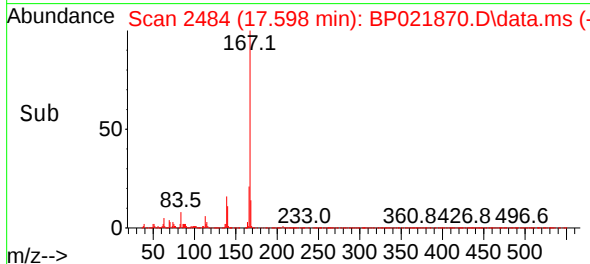
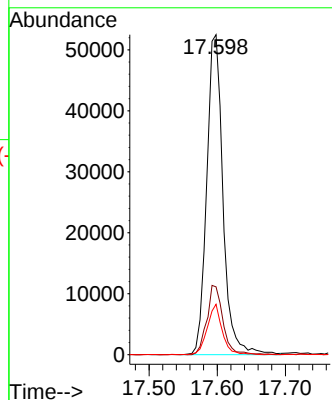
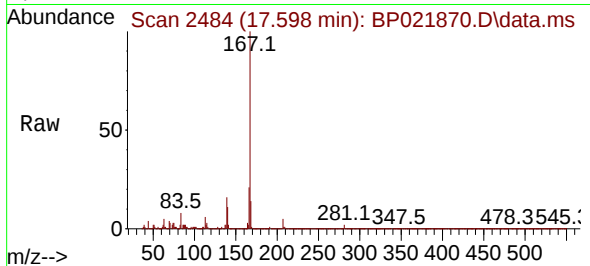




#73
 Carbazole
 Concen: 2.239 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. 0.012 min
 Lab File: BP021870.D
 Acq: 10 Sep 2024 10:08

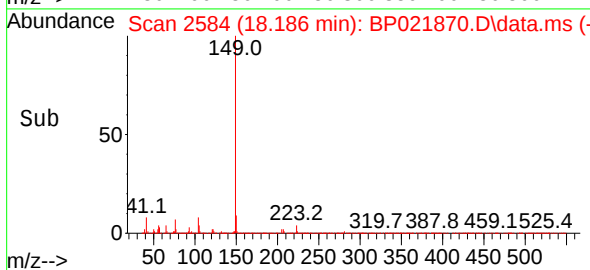
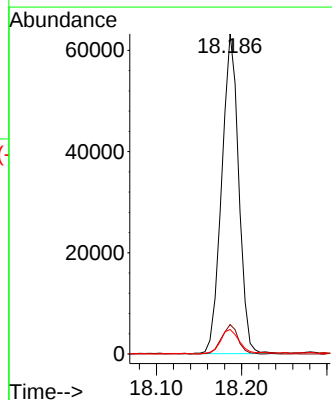
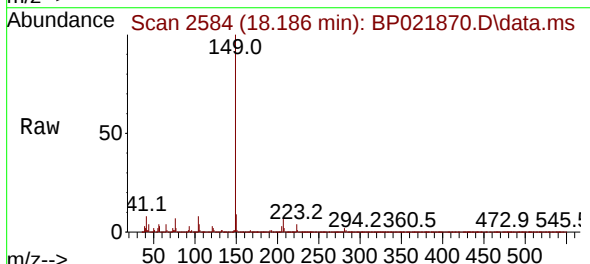
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC2.5

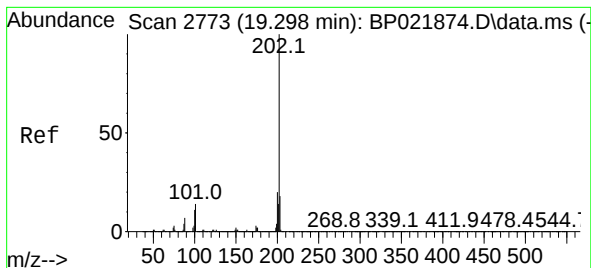
Tgt Ion:167 Resp: 87391
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.3 25.9
 139 15.8 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 2.032 ng
 RT: 18.186 min Scan# 2584
 Delta R.T. 0.006 min
 Lab File: BP021870.D
 Acq: 10 Sep 2024 10:08

Tgt Ion:149 Resp: 87689
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 7.7 5.1 7.7





#75

Fluoranthene

Concen: 2.365 ng

RT: 19.298 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

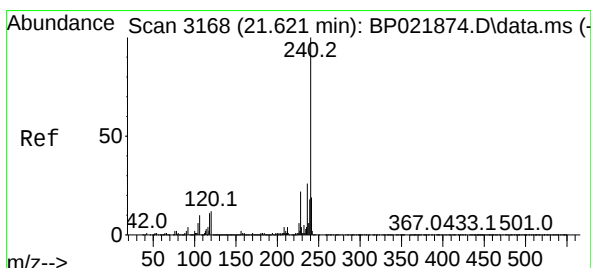
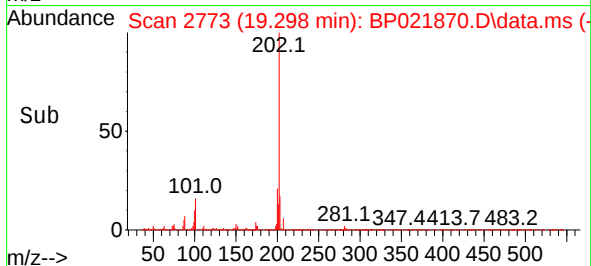
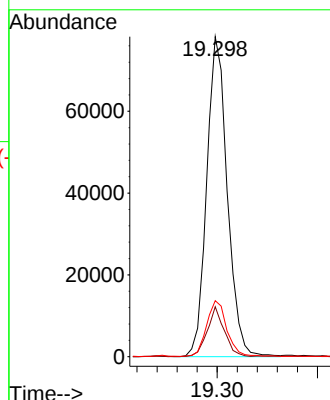
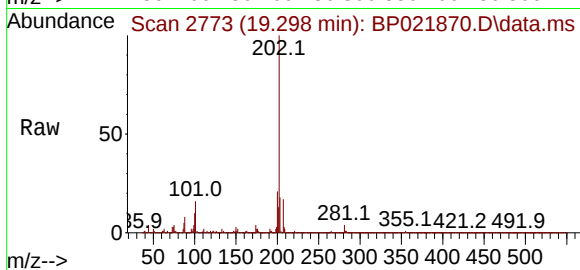
Tgt Ion:202 Resp: 111803

Ion Ratio Lower Upper

202 100

101 15.6 0.0 33.7

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3166

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

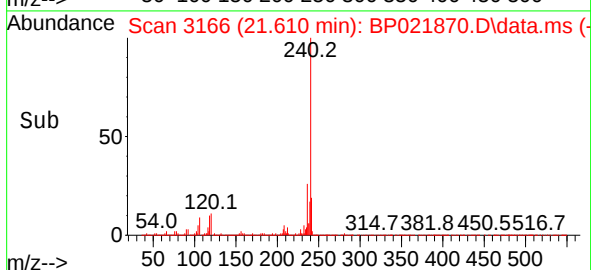
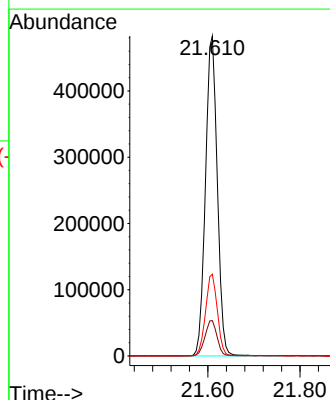
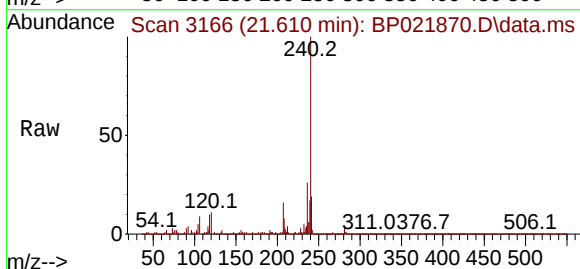
Tgt Ion:240 Resp: 865050

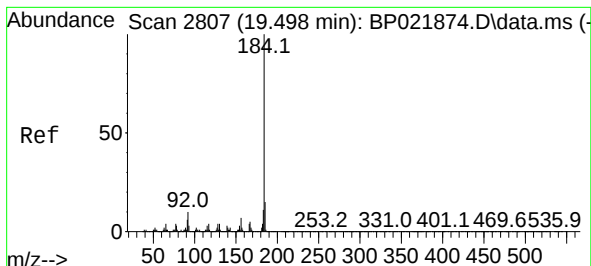
Ion Ratio Lower Upper

240 100

120 11.0 9.9 14.9

236 25.6 20.6 31.0





#77

Benzidine

Concen: 3.200 ng

RT: 19.498 min Scan# 2807

Delta R.T. 0.000 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

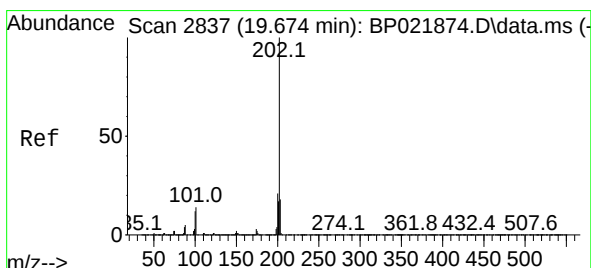
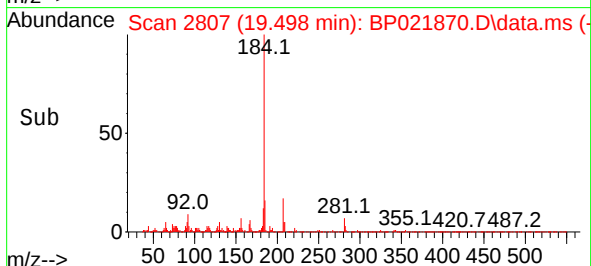
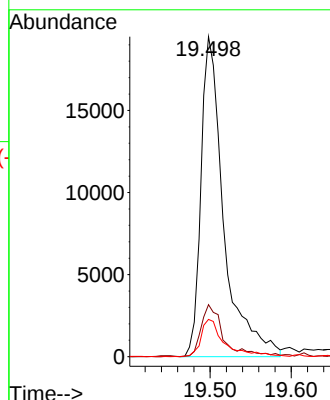
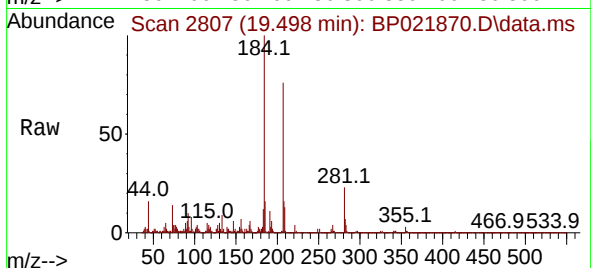
Tgt Ion:184 Resp: 38153

Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

183 11.7 9.2 13.8



#78

Pyrene

Concen: 2.182 ng

RT: 19.680 min Scan# 2838

Delta R.T. 0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

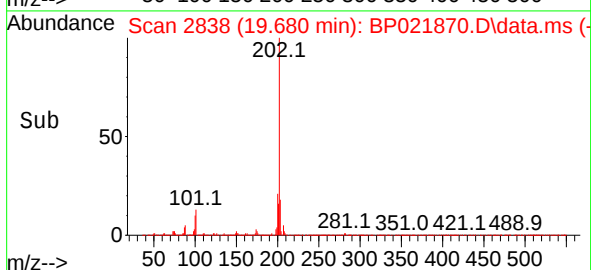
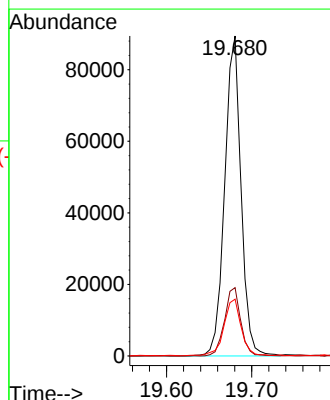
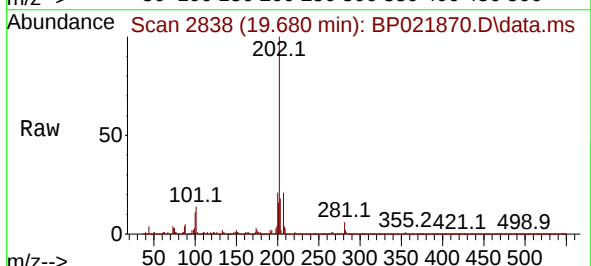
Tgt Ion:202 Resp: 119108

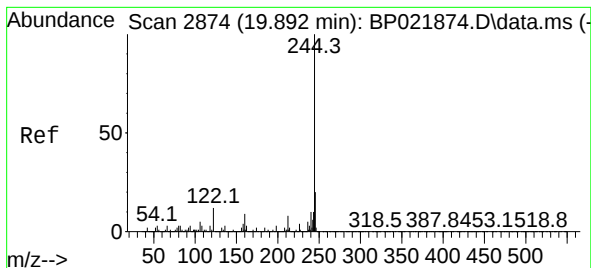
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 4.816 ng

RT: 19.898 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

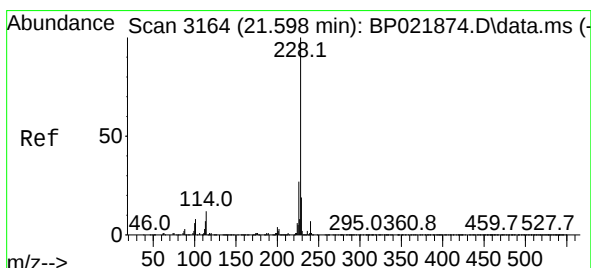
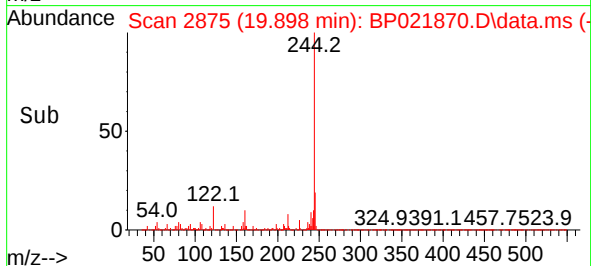
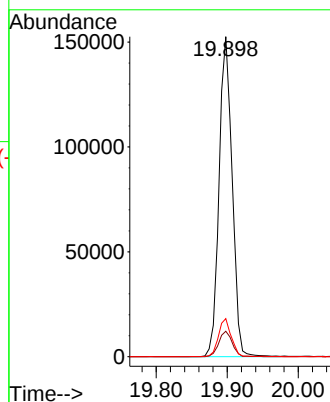
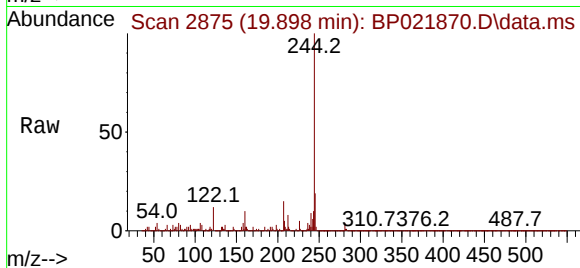
Tgt Ion:244 Resp: 195083

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.4

122 11.9 9.6 14.4



#81

Benzo(a)anthracene

Concen: 2.404 ng

RT: 21.586 min Scan# 3162

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

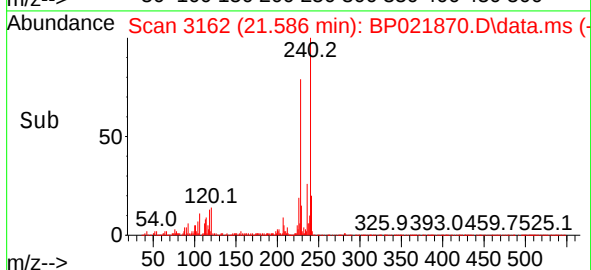
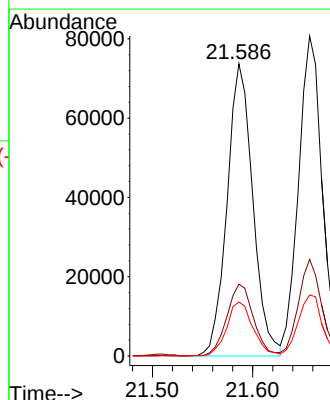
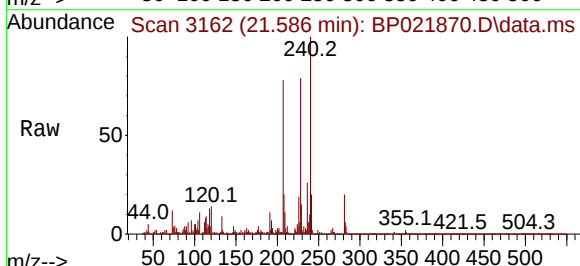
Tgt Ion:228 Resp: 131924

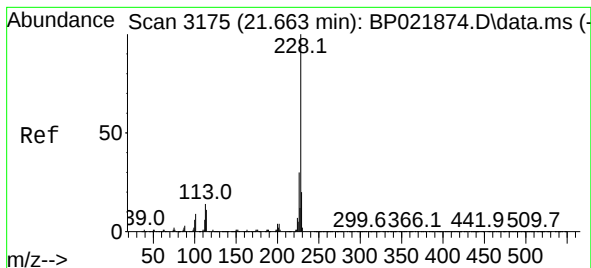
Ion Ratio Lower Upper

228 100

226 24.6 21.4 32.2

229 18.5 15.4 23.0





#83

Chrysene

Concen: 2.498 ng

RT: 21.657 min Scan# 3175

Delta R.T. -0.006 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

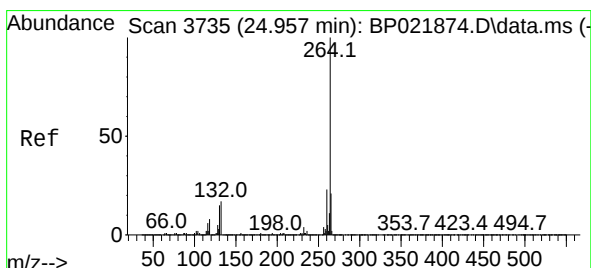
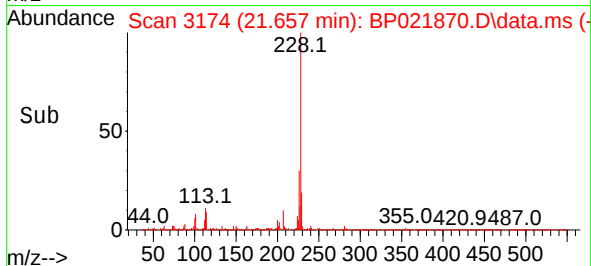
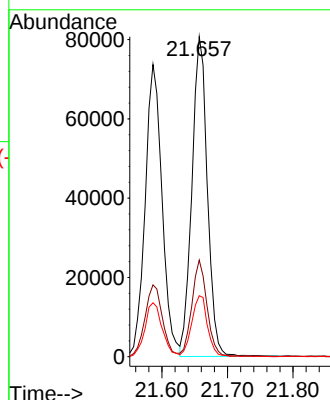
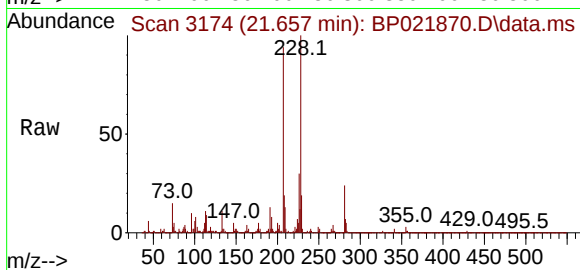
Tgt Ion:228 Resp: 131970

Ion Ratio Lower Upper

228 100

226 30.2 23.6 35.4

229 19.1 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.945 min Scan# 3733

Delta R.T. -0.012 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

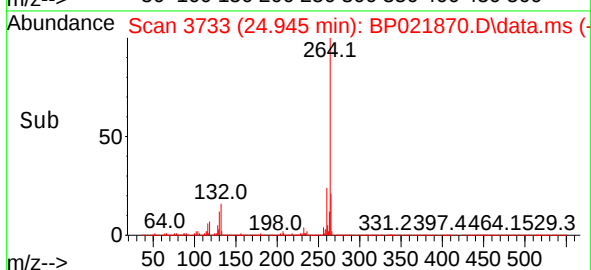
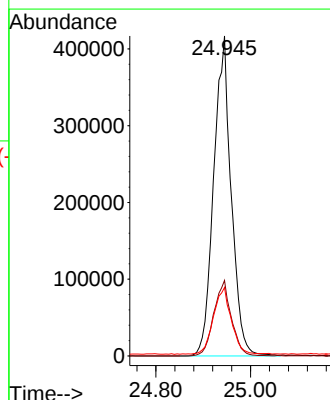
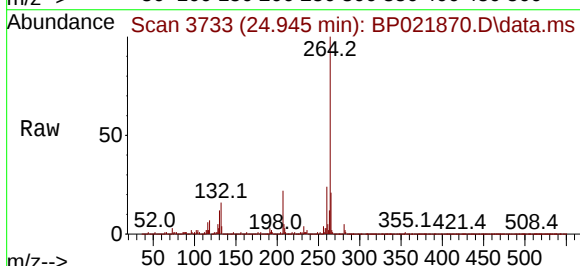
Tgt Ion:264 Resp: 1069927

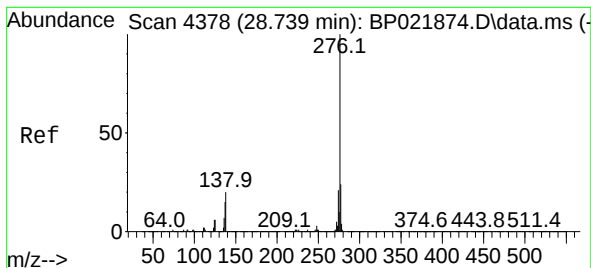
Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.068 ng

RT: 28.721 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

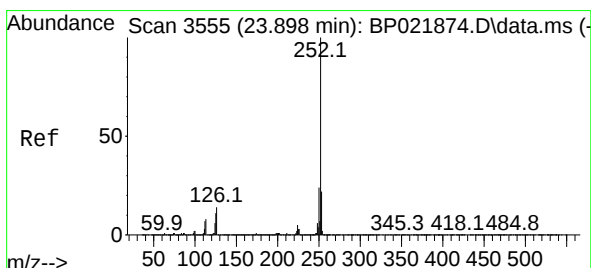
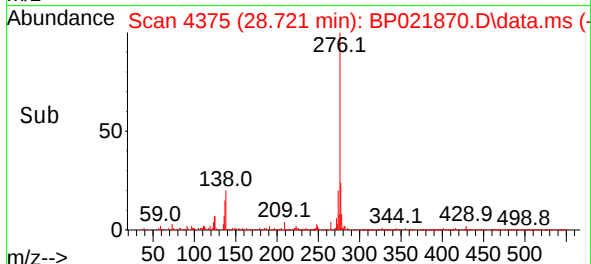
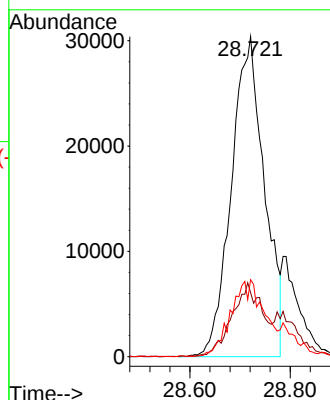
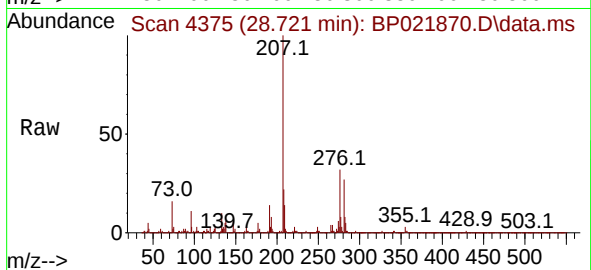
Tgt Ion:276 Resp: 139114

Ion Ratio Lower Upper

276 100

138 20.7 15.0 22.4

277 12.7 20.2 30.2#



#88

Benzo(b)fluoranthene

Concen: 2.210 ng

RT: 23.880 min Scan# 3552

Delta R.T. -0.018 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

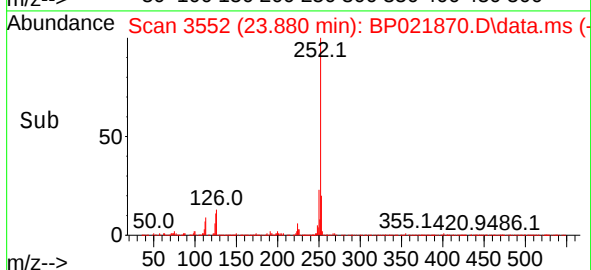
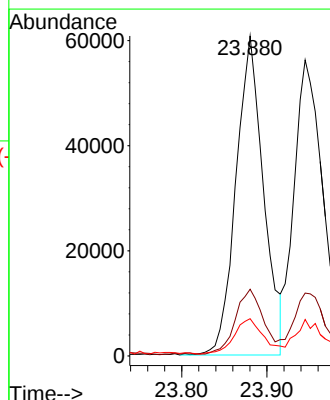
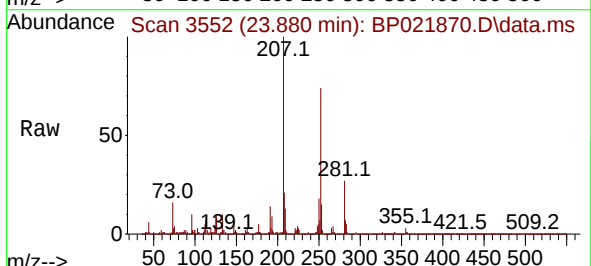
Tgt Ion:252 Resp: 136164

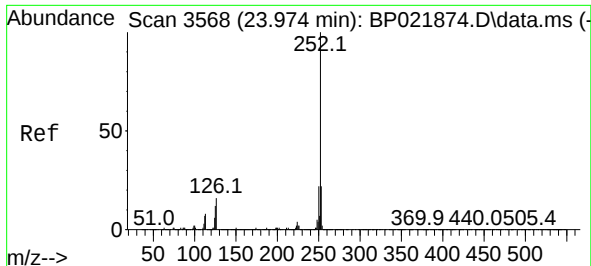
Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.6

125 11.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 2.206 ng

RT: 23.945 min Scan# 3568

Delta R.T. -0.029 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

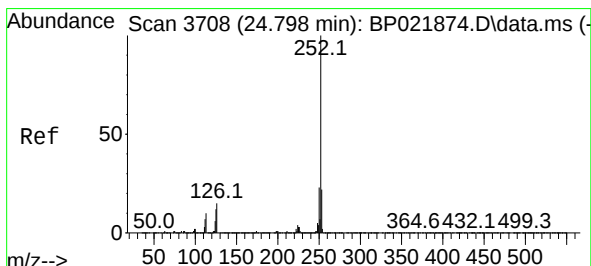
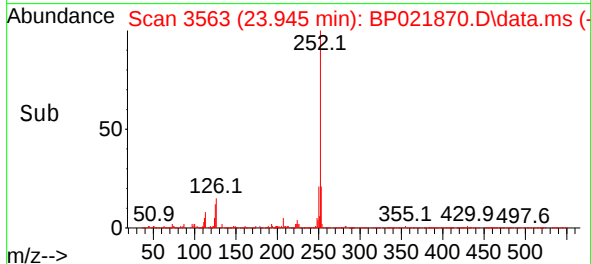
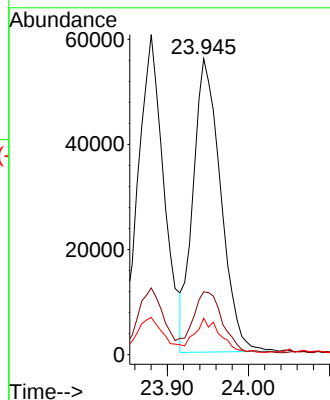
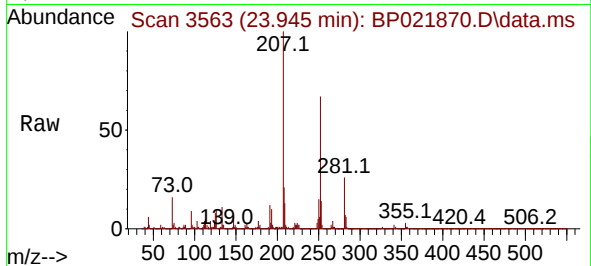
Tgt Ion:252 Resp: 131785

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

125 12.3 9.6 14.4



#90

Benzo(a)pyrene

Concen: 2.107 ng

RT: 24.774 min Scan# 3704

Delta R.T. -0.024 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

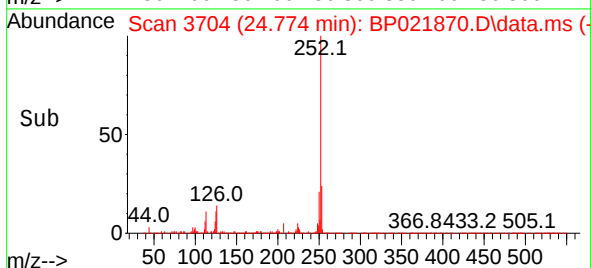
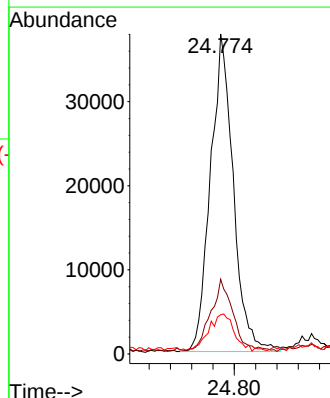
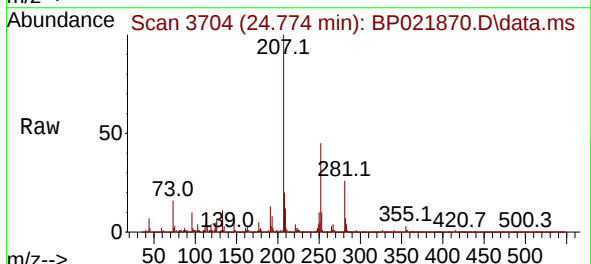
Tgt Ion:252 Resp: 112508

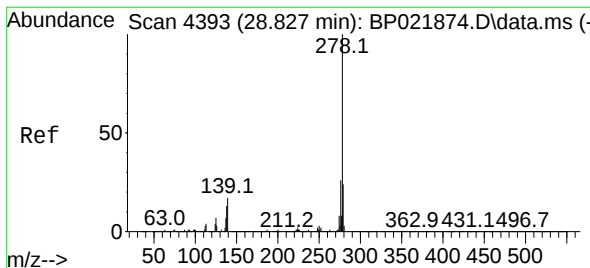
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 12.3 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 2.476 ng

RT: 28.786 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

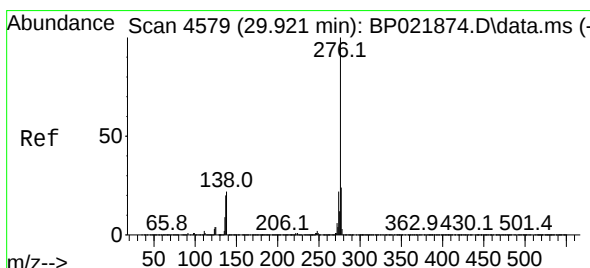
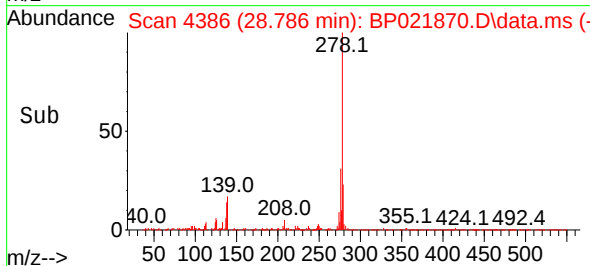
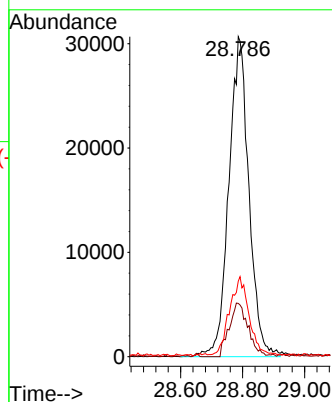
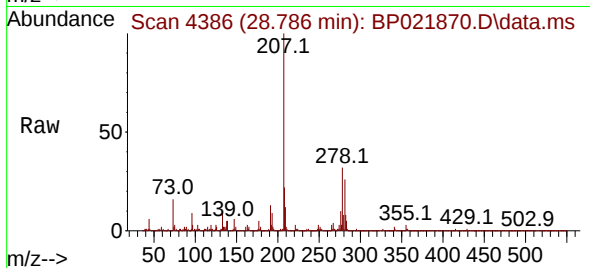
Tgt Ion:278 Resp: 137673

Ion Ratio Lower Upper

278 100

139 16.7 13.7 20.5

279 23.6 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 2.408 ng

RT: 29.868 min Scan# 4570

Delta R.T. -0.053 min

Lab File: BP021870.D

Acq: 10 Sep 2024 10:08

Tgt Ion:276 Resp: 140497

Ion Ratio Lower Upper

276 100

277 22.5 19.5 29.3

138 21.9 17.8 26.6

