

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072924\
 Data File : BP021256.D
 Acq On : 31 Jul 2024 11:08
 Operator : CG/JU
 Sample : P3287-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XB503

Quant Time: Jul 31 11:40:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	140800	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.387	136	572457	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.269	164	395096	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.098	188	911000	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	978336	20.000	ng/u1	# 0.01
88) Perylene-d12	24.851	264	973318	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	11384	3.679	ng/uL	-0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.822	99	310799	27.075	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	6.958	67	169322	24.340	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.158	132	260786	27.574	ng/u1	-0.02
15) 4-Methylphenol-d8	8.352	113	243316	25.521	ng/u1	-0.01
21) Nitrobenzene-d5	8.769	128	130509	29.352	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.481	143	147651	29.013	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.034	165	323826	35.190	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.552	131	271176	22.244	ng/u1	0.00
46) Dimethylphthalate-d6	13.675	166	963535	33.548	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	1031277	31.977	ng/u1	0.00
54) 4-Nitrophenol-d4	14.563	143	150895	36.926	ng/u1	-0.02
60) Fluorene-d10	15.287	176	814295	34.559	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	146197	26.523	ng/u1	0.00
73) Anthracene-d10	17.198	188	1350131	33.368	ng/u1	0.00
81) Pyrene-d10	19.581	212	1752162	28.969	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.621	264	1734993	36.143	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	6.852	94	1023517	88.115	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.052	93	1912468	199.307	ng/u1	95
12) 2-Chlorophenol	7.193	128	1789521	188.786	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.411	70	600960	77.946	ng/u1	93
19) Hexachloroethane	8.658	117	300461	70.537	ng/u1	91
22) Nitrobenzene	8.811	77	1127069	105.817	ng/u1	98
23) Isophorone	9.340	82	4083460	192.847	ng/u1	97
25) 2-Nitrophenol	9.511	139	597341	112.544	ng/u1	95
29) 2,4-Dichlorophenol	10.063	162	1077553	118.816	ng/u1	98
30) Naphthalene	10.440	128	2919864	96.968	ng/u1	99
33) Hexachlorobutadiene	10.687	225	647205	95.176	ng/u1	99
35) 4-Chloro-3-methylphenol	11.705	107	531311	53.896	ng/u1	99
36) 2-Methylnaphthalene	12.052	142	3645761	176.381	ng/u1	98
41) 2,4,6-Trichlorophenol	12.693	196	601450	74.182	ng/u1	99
42) 2,4,5-Trichlorophenol	12.769	196	927221	108.089	ng/u1	100
44) 2-Chloronaphthalene	13.128	162	3167944	137.433	ng/u1	99
48) 2,6-Dinitrotoluene	13.875	165	1278780	219.479	ng/u1	91
52) Acenaphthene	14.334	153	4039712	166.686	ng/u1	99
55) 4-Nitrophenol	14.575	109	515535	155.090	ng/u1	93
57) 2,4-Dinitrotoluene	14.681	165	649811	81.245	ng/u1#	84
59) Diethylphthalate	15.122	149	5908375	202.865	ng/u1	98
61) Fluorene	15.340	166	1189865	43.935	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.340	204	2792963	190.054	ng/u1	95
71) Pentachlorophenol	16.745	266	1647700	247.788	ng/u1	97

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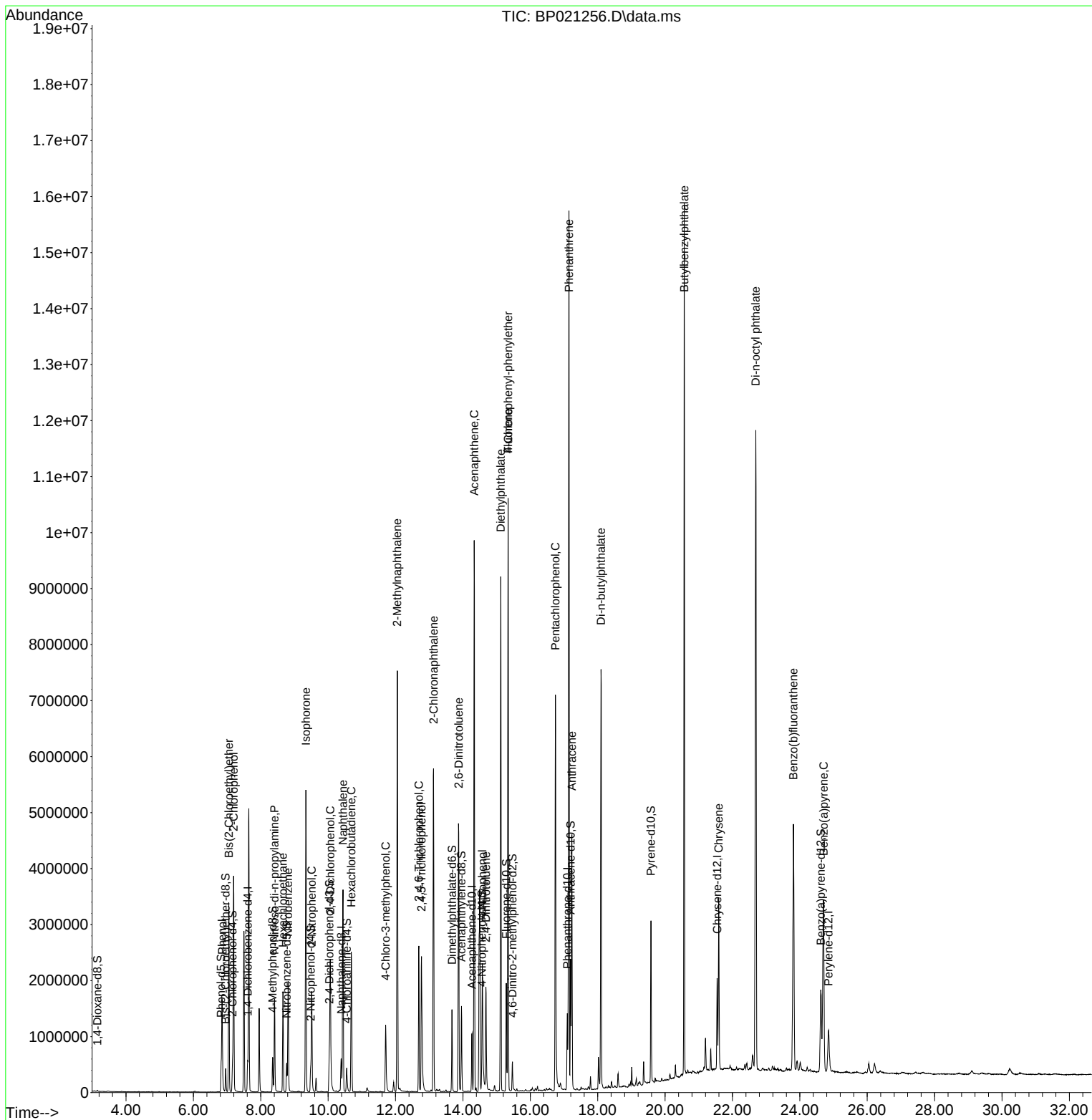
Quant Time: Jul 31 11:40:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration

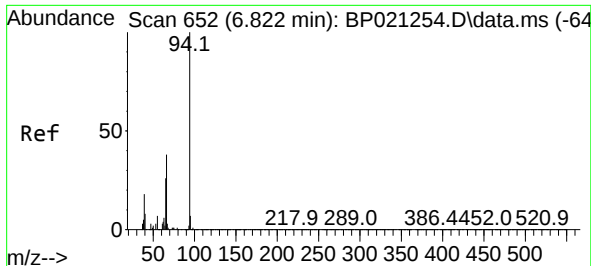
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Phenanthrene	17.145	178	10158799	214.960	ng/ul	98
74) Anthracene	17.234	178	3046300	63.229	ng/ul	100
78) Di-n-butylphthalate	18.098	149	6828273	125.664	ng/ul	100
83) Butylbenzylphthalate	20.569	149	5239640	169.191	ng/ul#	91
87) Chrysene	21.592	228	1900717	29.847	ng/ul	100
89) Di-n-octyl phthalate	22.692	149	12762986	198.498	ng/ul	100
90) Benzo(b)fluoranthene	23.810	252	4727535	80.039	ng/ul	99
93) Benzo(a)pyrene	24.704	252	3597106	64.446	ng/ul	98

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

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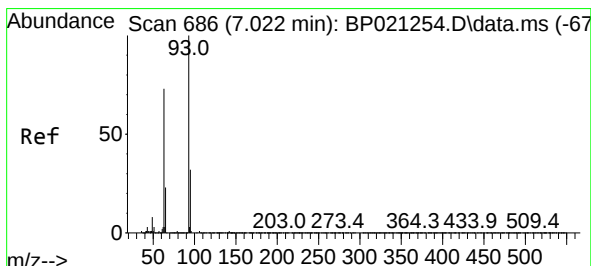
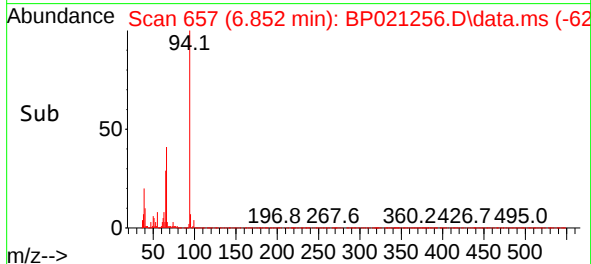
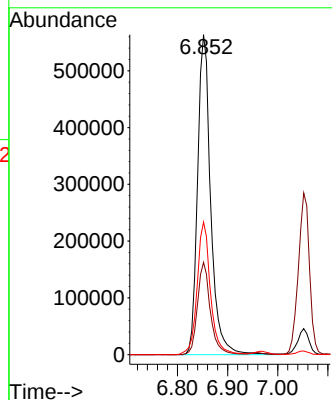
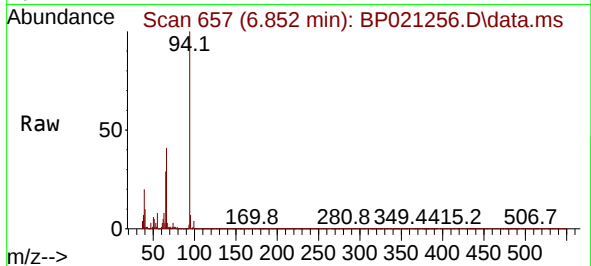




#8
Phenol
Concen: 88.115 ng/ul
RT: 6.852 min Scan# 617
Delta R.T. -0.023 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

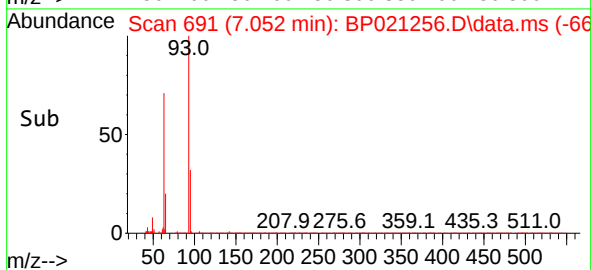
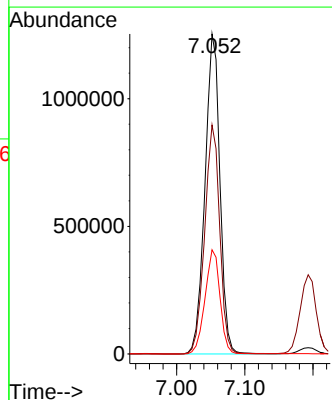
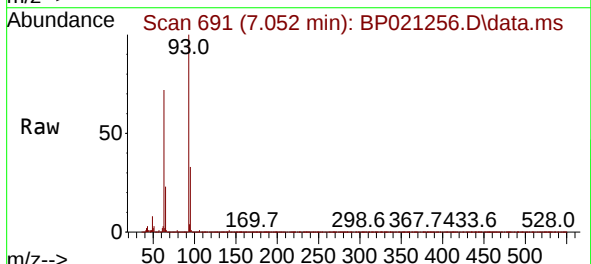
Instrument :
BNA_P
ClientSampleId :
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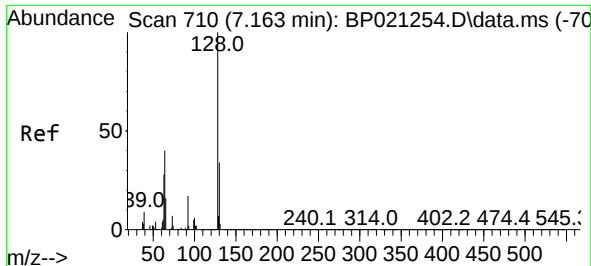
Tgt Ion: 94 Resp: 1023517
Ion Ratio Lower Upper
94 100
65 28.8 23.4 35.0
66 41.5 33.9 50.9



#10
Bis(2-Chloroethyl)ether
Concen: 199.307 ng/ul
RT: 7.052 min Scan# 691
Delta R.T. -0.023 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion: 93 Resp: 1912468
Ion Ratio Lower Upper
93 100
63 71.6 61.5 92.3
95 32.6 25.1 37.7

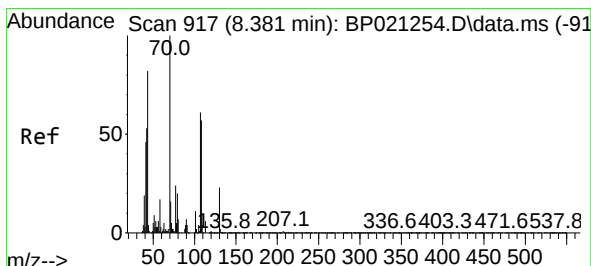
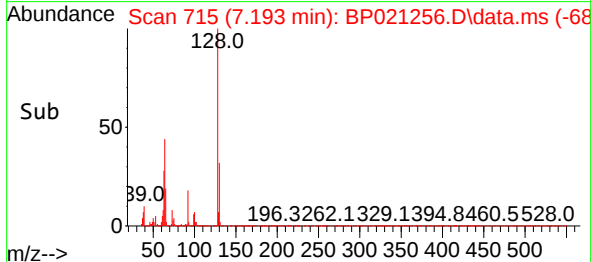
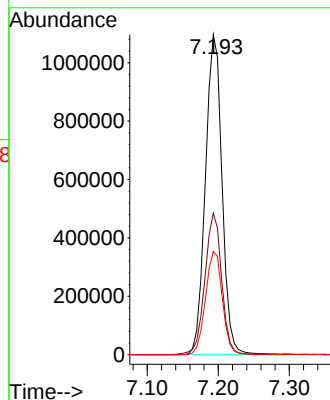
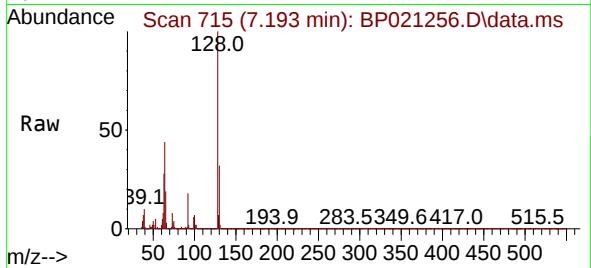




#12
2-Chlorophenol
Concen: 188.786 ng/ul
RT: 7.193 min Scan# 715
Delta R.T. -0.017 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

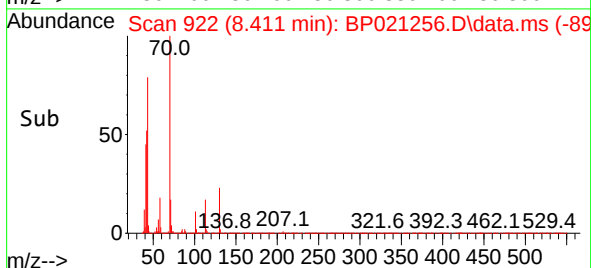
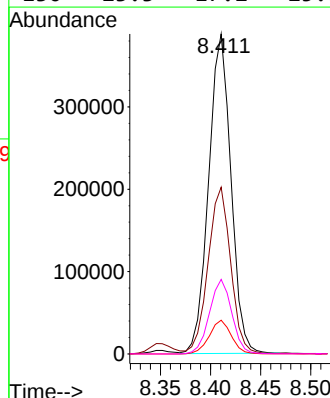
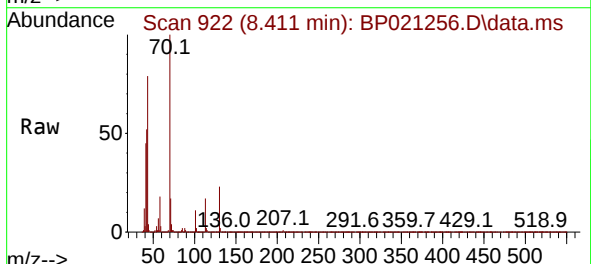
Instrument :
BNA_P
ClientSampleId :
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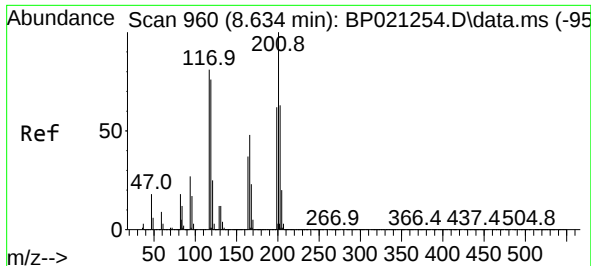
Tgt Ion:128 Resp: 1789521
Ion Ratio Lower Upper
128 100
64 44.2 37.9 56.9
130 32.2 25.6 38.4



#17
N-Nitroso-di-n-propylamine
Concen: 77.946 ng/ul
RT: 8.411 min Scan# 922
Delta R.T. -0.023 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion: 70 Resp: 600960
Ion Ratio Lower Upper
70 100
42 52.1 46.6 69.8
101 10.5 7.4 11.0
130 23.3 17.2 25.8





#19

Hexachloroethane

Concen: 70.537 ng/ul

RT: 8.658 min Scan# 90

Delta R.T. -0.017 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

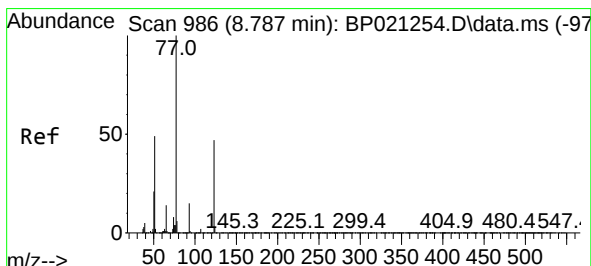
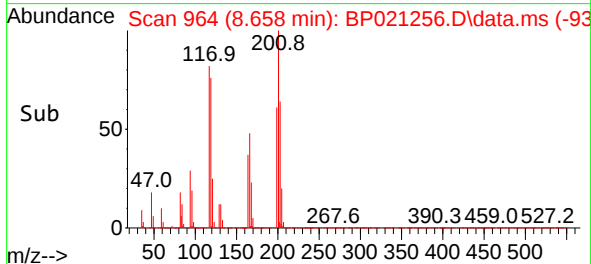
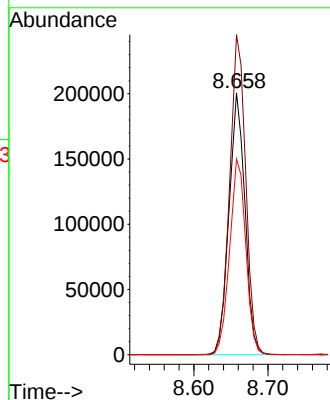
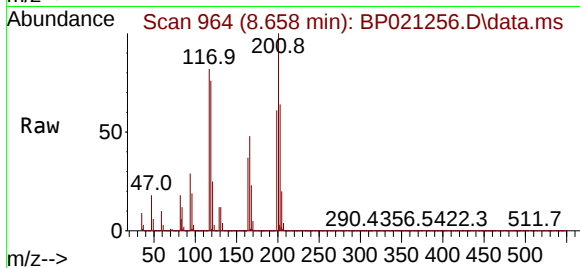
Tgt Ion:117 Resp: 300461

Ion Ratio Lower Upper

117 100

201 122.3 88.2 132.2

199 74.8 55.8 83.6



#22

Nitrobenzene

Concen: 105.817 ng/ul

RT: 8.811 min Scan# 990

Delta R.T. -0.029 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

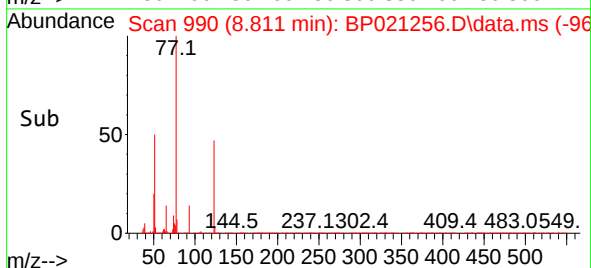
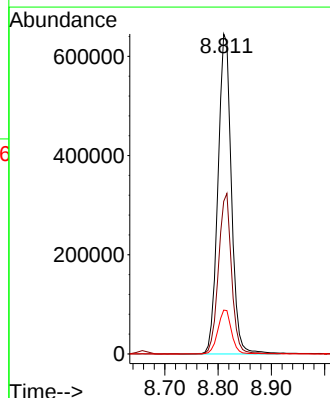
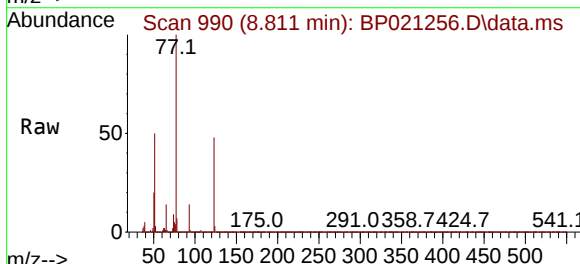
Tgt Ion: 77 Resp: 1127069

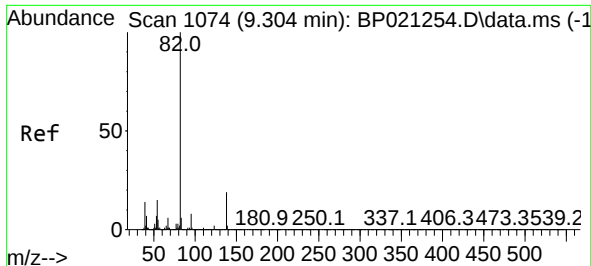
Ion Ratio Lower Upper

77 100

123 47.7 36.7 55.1

65 13.7 11.1 16.7

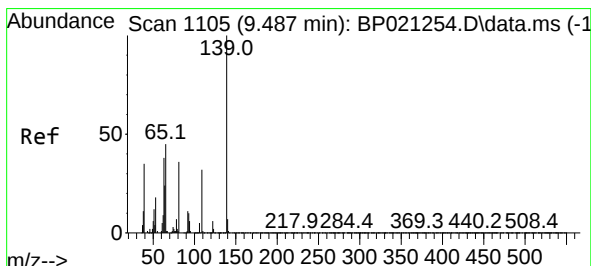
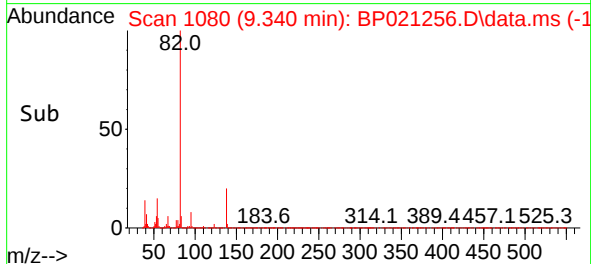
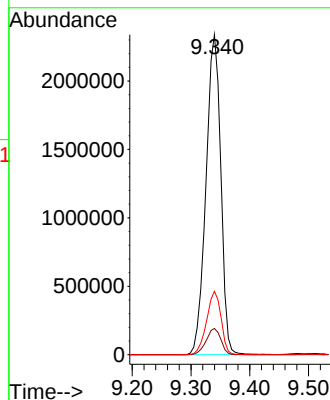
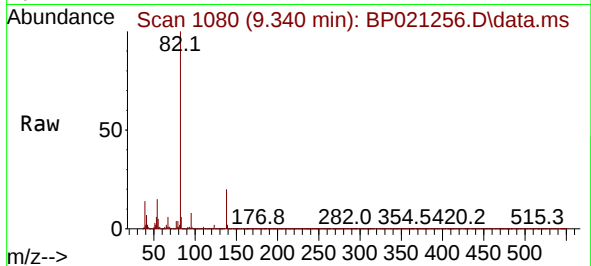




#23
Isophorone
Concen: 192.847 ng/ul
RT: 9.340 min Scan# 1074
Delta R.T. -0.005 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

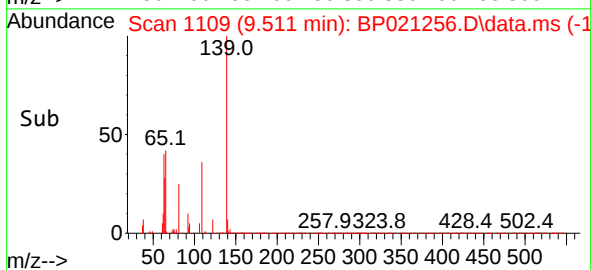
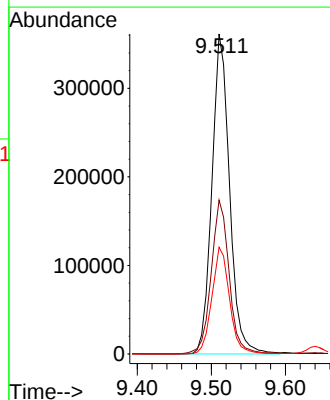
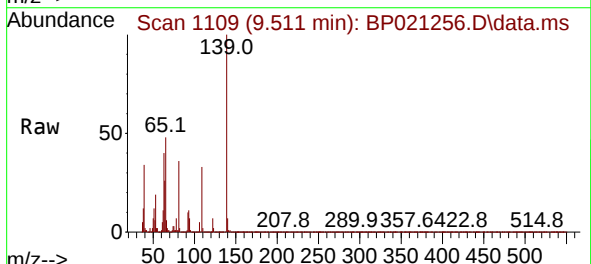
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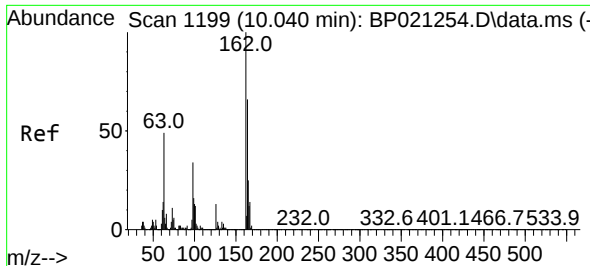
Tgt Ion: 82 Resp: 4083460
Ion Ratio Lower Upper
82 100
95 8.2 6.1 9.1
138 19.8 14.4 21.6



#25
2-Nitrophenol
Concen: 112.544 ng/ul
RT: 9.511 min Scan# 1109
Delta R.T. -0.029 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion:139 Resp: 597341
Ion Ratio Lower Upper
139 100
65 48.1 42.9 64.3
109 33.4 26.2 39.4

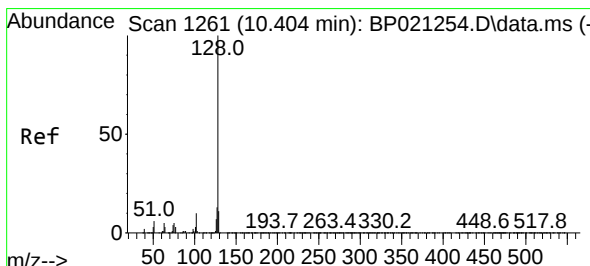
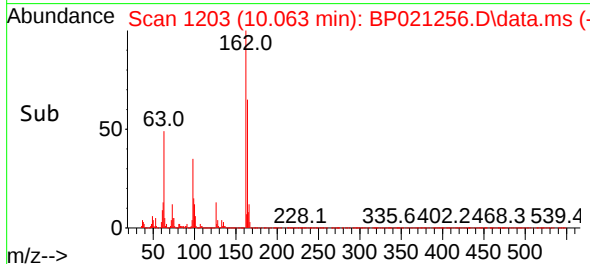
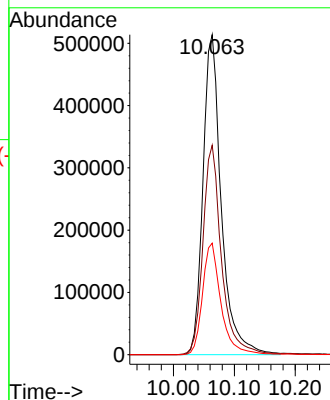
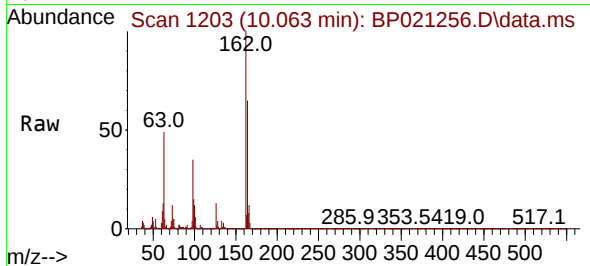




#29
2,4-Dichlorophenol
Concen: 118.816 ng/ul
RT: 10.063 min Scan# 1199
Delta R.T. -0.017 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

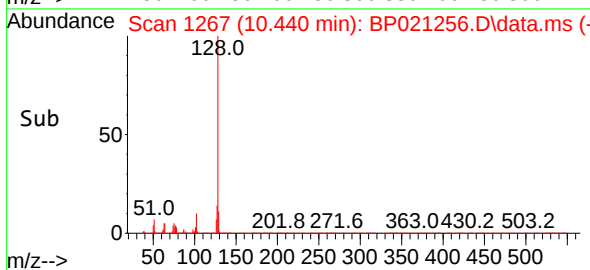
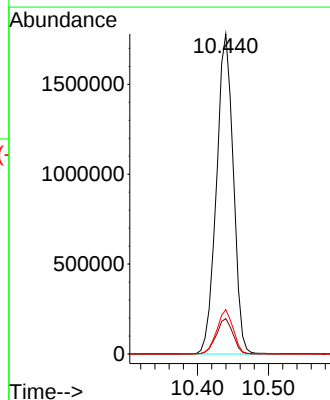
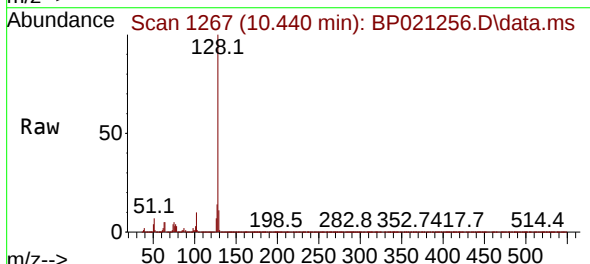
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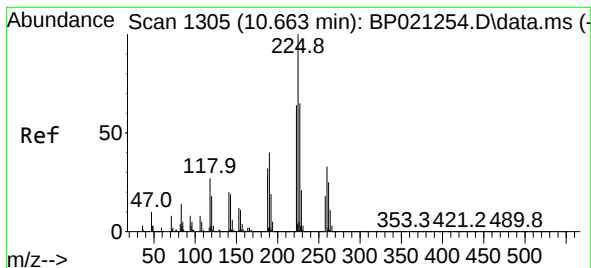
Tgt Ion:162 Resp: 1077553
Ion Ratio Lower Upper
162 100
164 65.5 53.3 79.9
98 34.9 28.7 43.1



#30
Naphthalene
Concen: 96.968 ng/ul
RT: 10.440 min Scan# 1267
Delta R.T. 0.001 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion:128 Resp: 2919864
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.8 10.8 16.2





#33

Hexachlorobutadiene

Concen: 95.176 ng/ul

RT: 10.687 min Scan# 11

Delta R.T. -0.023 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

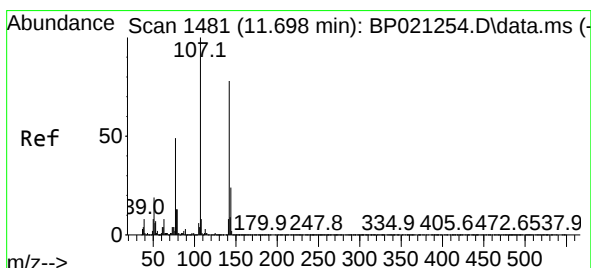
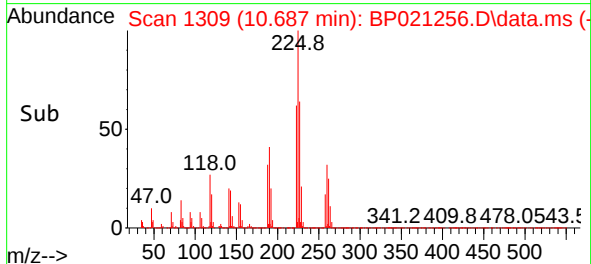
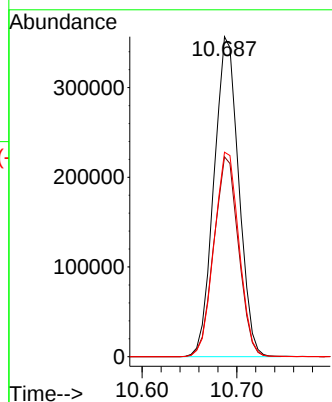
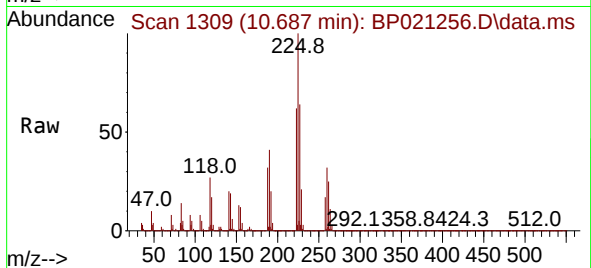
Tgt Ion:225 Resp: 647205

Ion Ratio Lower Upper

225 100

223 62.5 50.2 75.2

227 63.9 50.6 75.8



#35

4-Chloro-3-methylphenol

Concen: 53.896 ng/ul

RT: 11.705 min Scan# 1482

Delta R.T. -0.035 min

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Acq: 31 Jul 2024 11:08

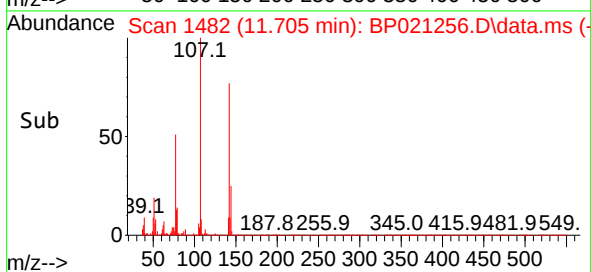
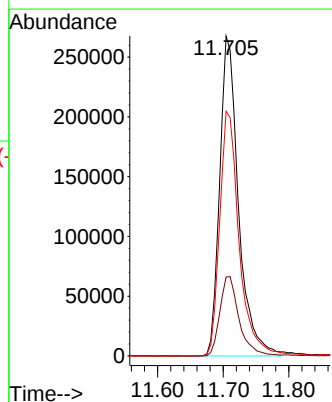
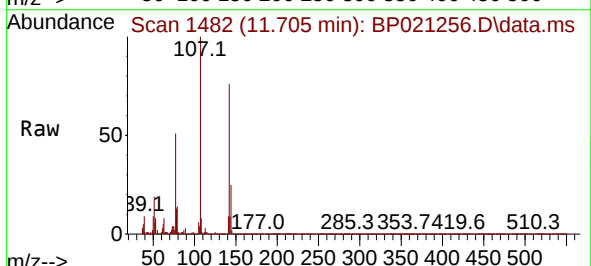
Tgt Ion:107 Resp: 531311

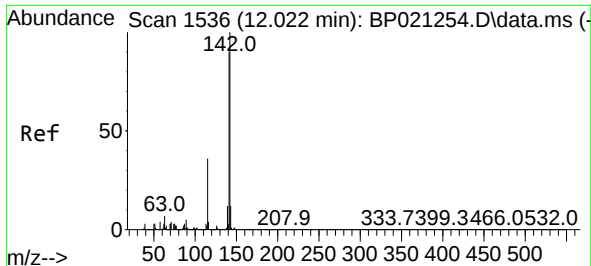
Ion Ratio Lower Upper

107 100

144 24.7 19.3 28.9

142 76.4 60.7 91.1

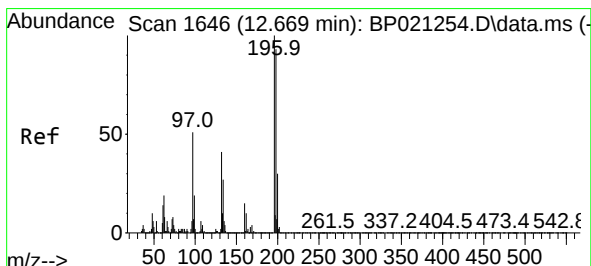
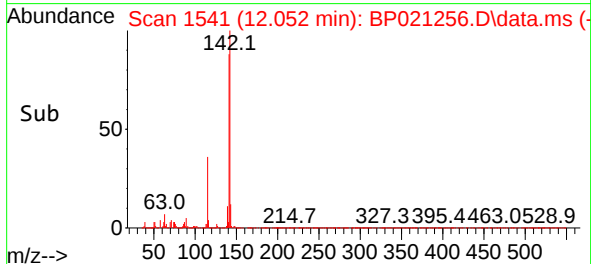
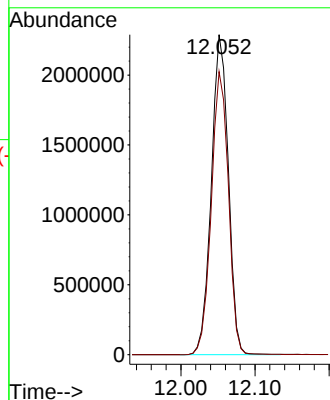
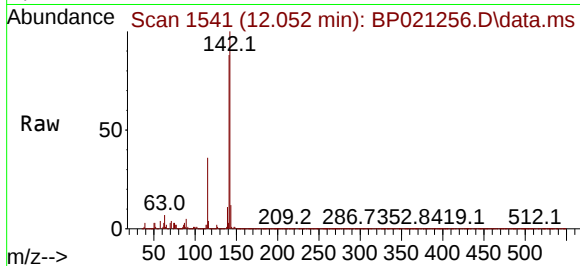




#36
2-Methylnaphthalene
Concen: 176.381 ng/ul
RT: 12.052 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

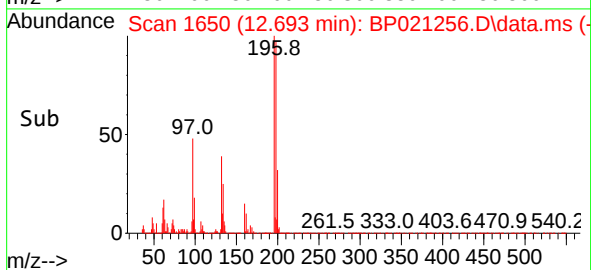
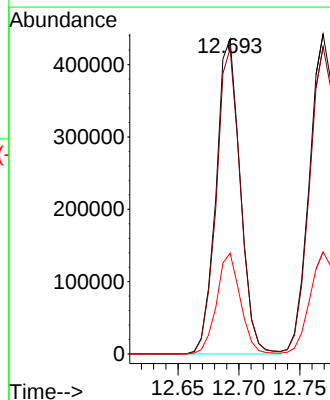
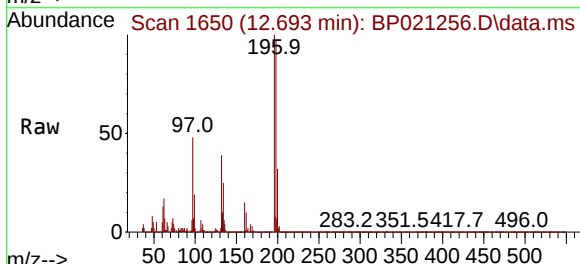
Instrument :
BNA_P
ClientSampleId :
XB503

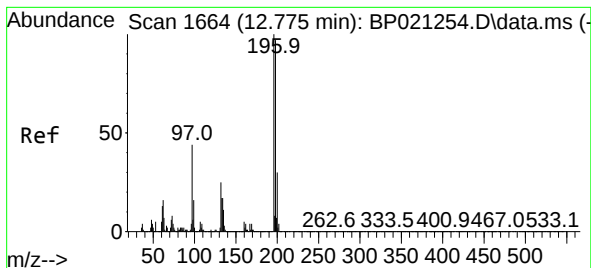
Tgt Ion:142 Resp: 3645761
Ion Ratio Lower Upper
142 100
141 88.5 72.6 108.8



#41
2,4,6-Trichlorophenol
Concen: 74.182 ng/ul
RT: 12.693 min Scan# 1650
Delta R.T. -0.011 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion:196 Resp: 601450
Ion Ratio Lower Upper
196 100
198 97.0 76.6 115.0
200 32.0 26.0 39.0





#42

2,4,5-Trichlorophenol

Concen: 108.089 ng/ul

RT: 12.769 min Scan# 1

Delta R.T. -0.041 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

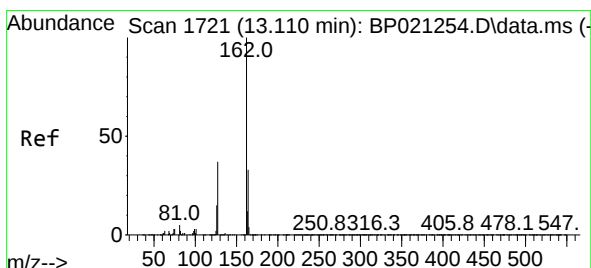
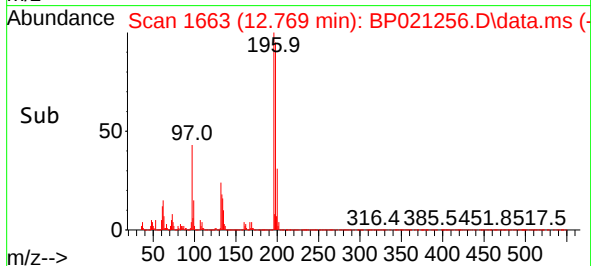
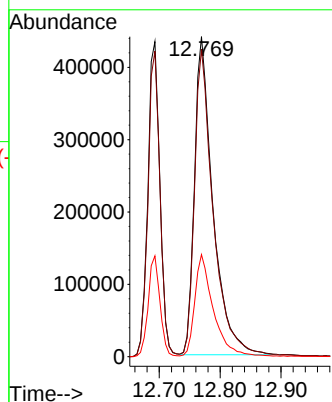
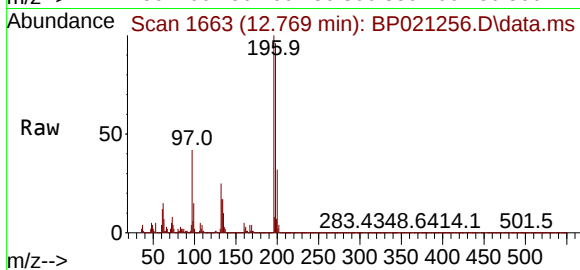
Tgt Ion:196 Resp: 927221

Ion Ratio Lower Upper

196 100

198 96.0 77.1 115.7

200 31.9 25.3 37.9



#44

2-Chloronaphthalene

Concen: 137.433 ng/ul

RT: 13.128 min Scan# 1724

Delta R.T. -0.011 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

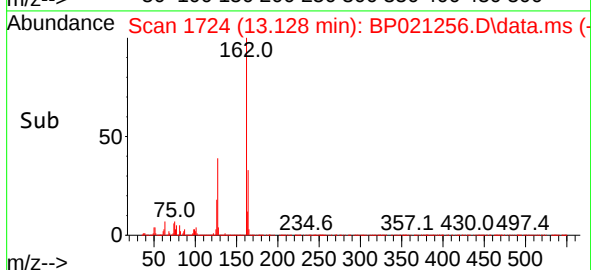
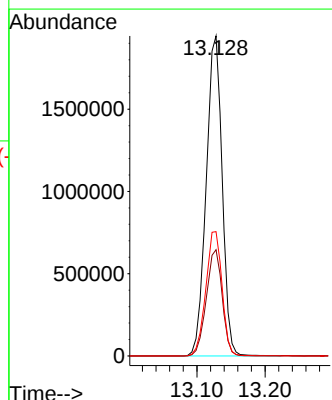
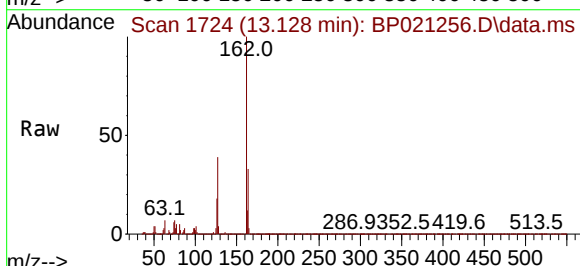
Tgt Ion:162 Resp: 3167944

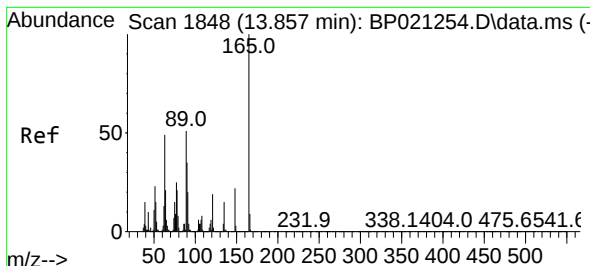
Ion Ratio Lower Upper

162 100

164 33.2 26.3 39.5

127 38.9 31.8 47.8





#48

2,6-Dinitrotoluene

Concen: 219.479 ng/ul

RT: 13.875 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

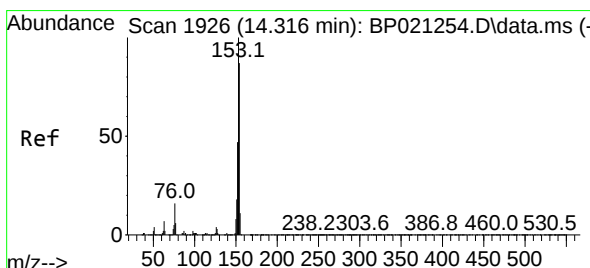
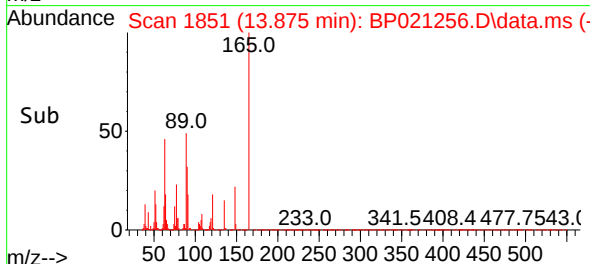
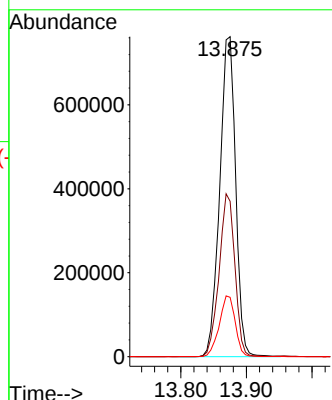
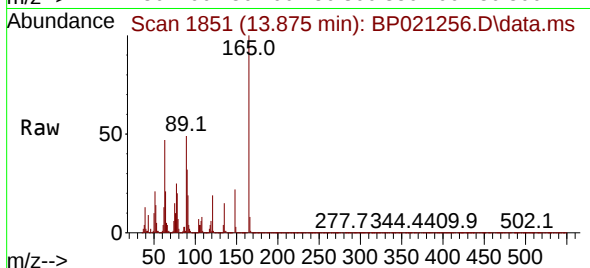
Tgt Ion:165 Resp: 1278780

Ion Ratio Lower Upper

165 100

89 48.5 44.7 67.1

121 18.5 16.5 24.7



#52

Acenaphthene

Concen: 166.686 ng/ul

RT: 14.334 min Scan# 1929

Delta R.T. -0.005 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

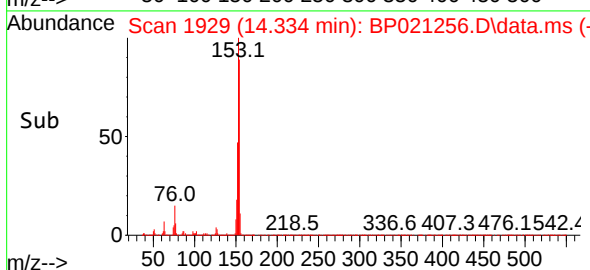
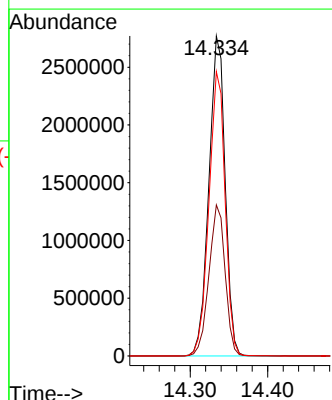
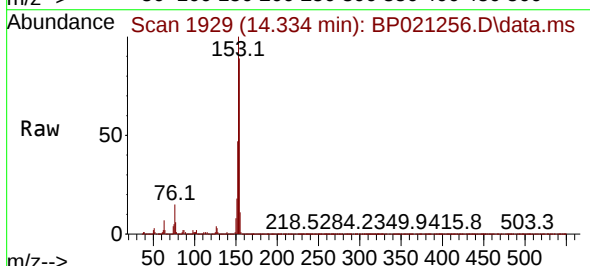
Tgt Ion:153 Resp: 4039712

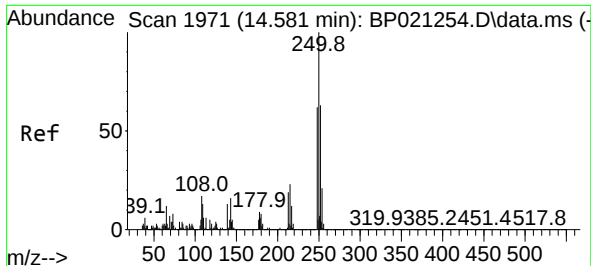
Ion Ratio Lower Upper

153 100

152 47.2 37.8 56.6

154 88.8 71.8 107.6

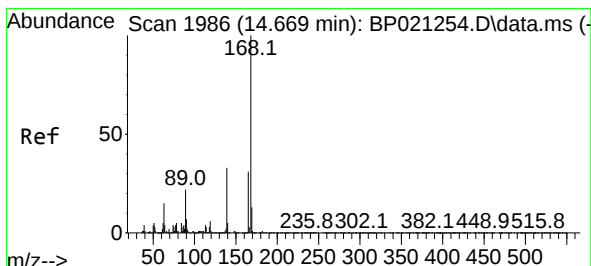
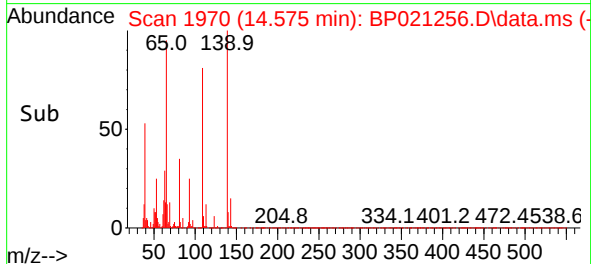
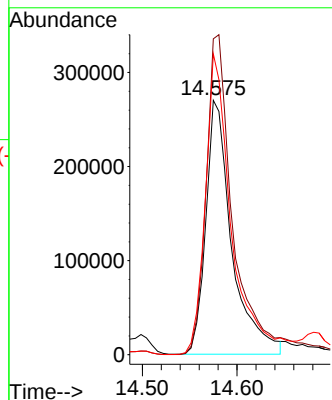
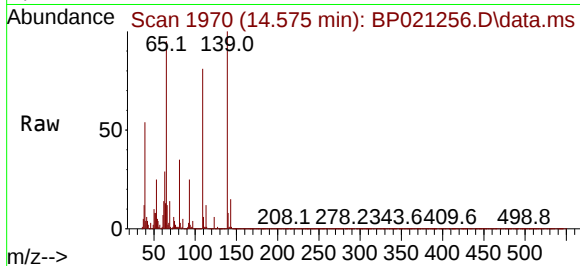




#55
4-Nitrophenol
Concen: 155.090 ng/ul
RT: 14.575 min Scan# 1970
Delta R.T. -0.017 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

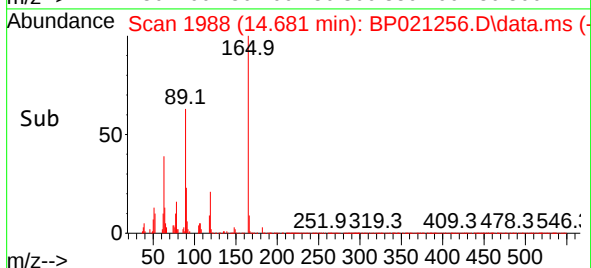
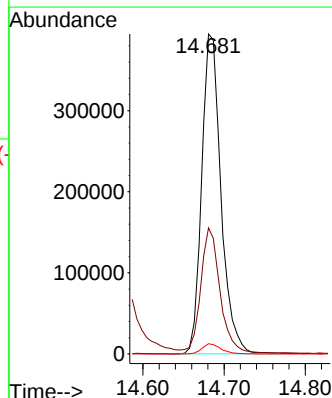
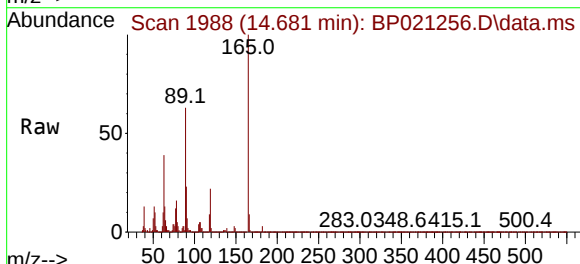
Instrument :
BNA_P
ClientSampleId :
XB503

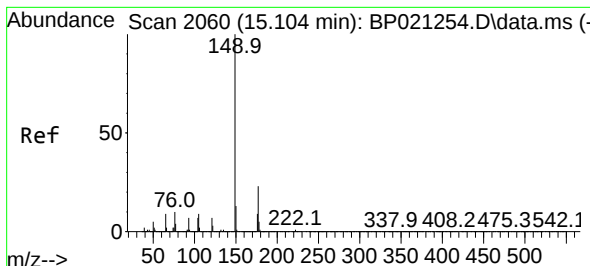
Tgt Ion:109 Resp: 515535
Ion Ratio Lower Upper
109 100
139 124.1 98.0 147.0
65 118.2 106.0 159.0



#57
2,4-Dinitrotoluene
Concen: 81.245 ng/ul
RT: 14.681 min Scan# 1988
Delta R.T. -0.017 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion:165 Resp: 649811
Ion Ratio Lower Upper
165 100
63 39.4 41.0 61.4#
182 3.2 2.2 3.4





#59

Diethylphthalate

Concen: 202.865 ng/ul

RT: 15.122 min Scan# 2060

Delta R.T. 0.001 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

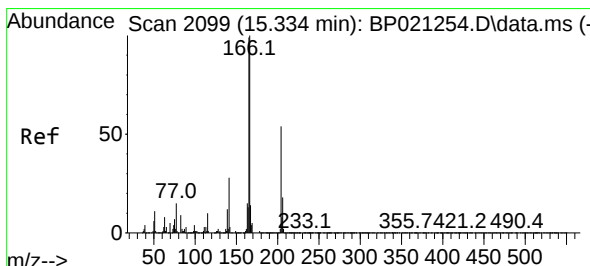
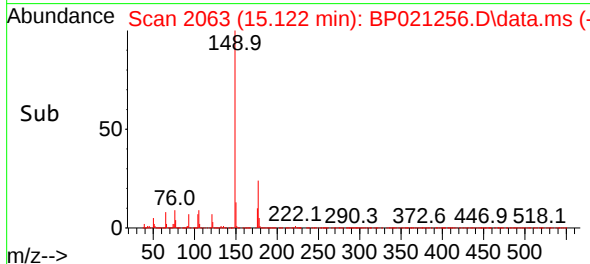
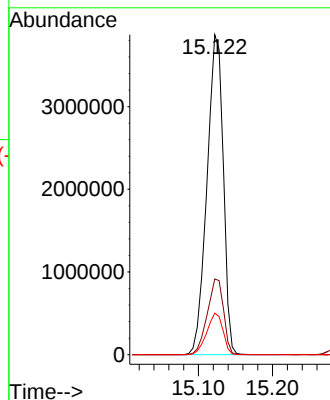
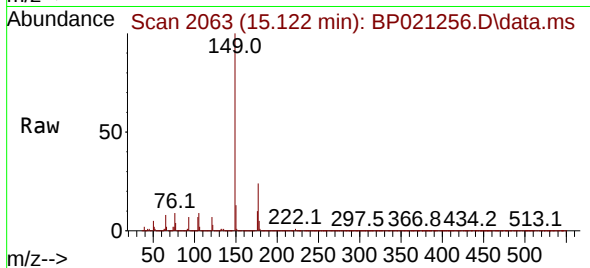
Tgt Ion:149 Resp: 5908375

Ion Ratio Lower Upper

149 100

177 23.6 17.7 26.5

150 13.0 10.2 15.2



#61

Fluorene

Concen: 43.935 ng/ul

RT: 15.340 min Scan# 2100

Delta R.T. -0.005 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

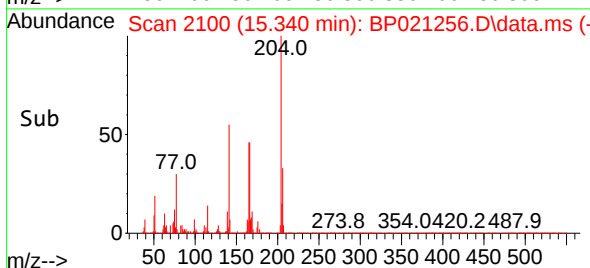
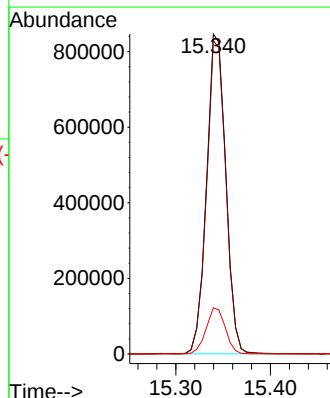
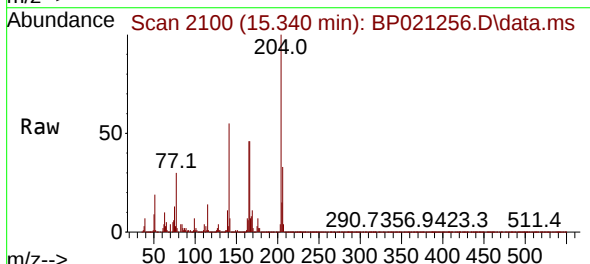
Tgt Ion:166 Resp: 1189865

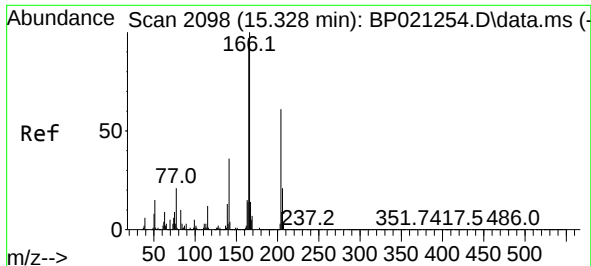
Ion Ratio Lower Upper

166 100

165 97.9 78.1 117.1

167 14.5 10.9 16.3

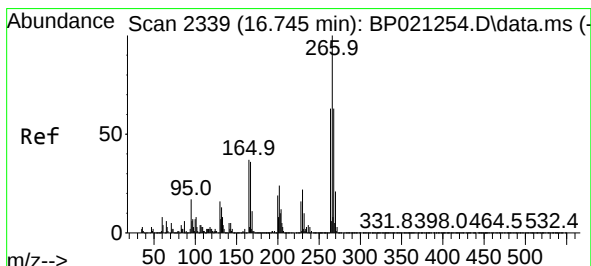
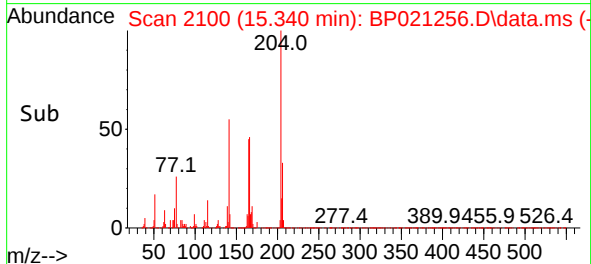
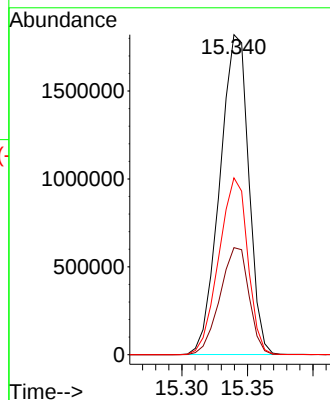
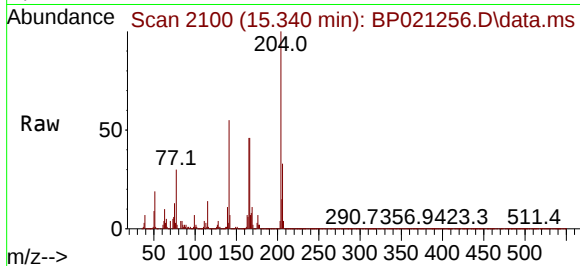




#62
4-Chlorophenyl-phenylether
Concen: 190.054 ng/ul
RT: 15.340 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

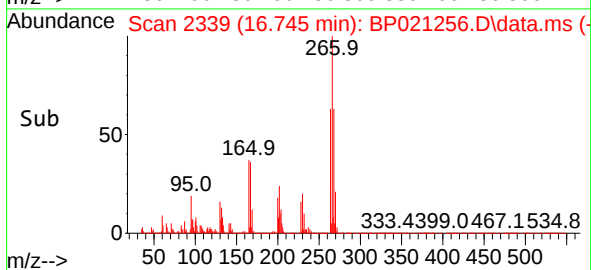
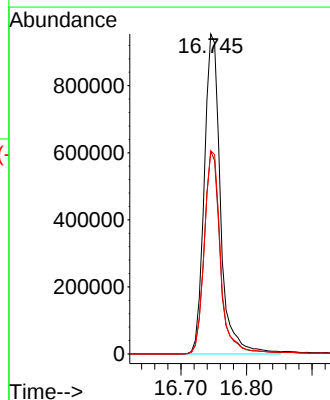
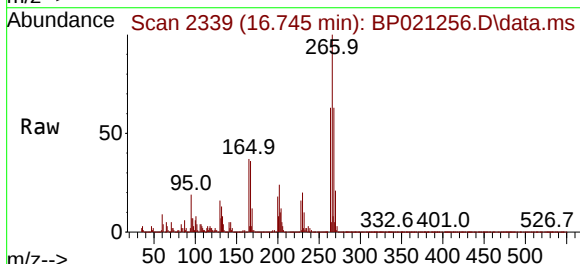
Instrument :
BNA_P
ClientSampleId :
XB503

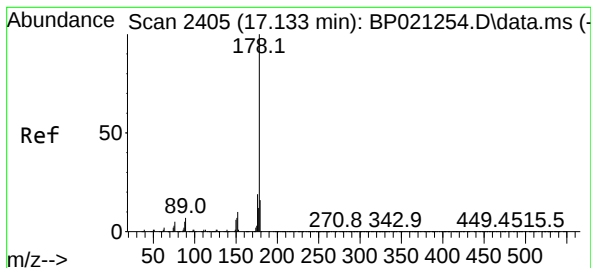
Tgt Ion:204 Resp: 2792963
Ion Ratio Lower Upper
204 100
206 33.5 26.4 39.6
141 55.3 48.5 72.7



#71
Pentachlorophenol
Concen: 247.788 ng/ul
RT: 16.745 min Scan# 2339
Delta R.T. -0.005 min
Lab File: BP021256.D
Acq: 31 Jul 2024 11:08

Tgt Ion:266 Resp: 1647700
Ion Ratio Lower Upper
266 100
264 63.3 52.3 78.5
268 63.4 52.3 78.5





#72

Phenanthrene

Concen: 214.960 ng/ul

RT: 17.145 min Scan# 2405

Delta R.T. 0.012 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

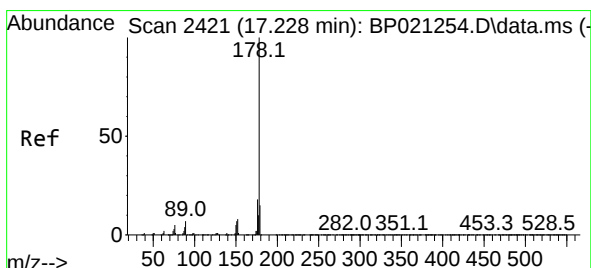
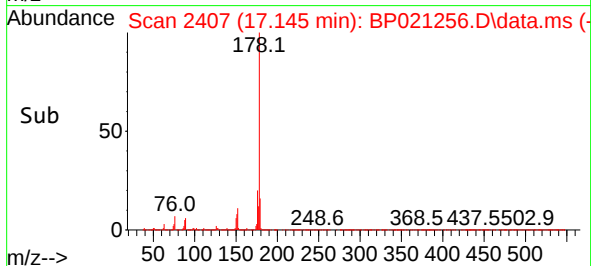
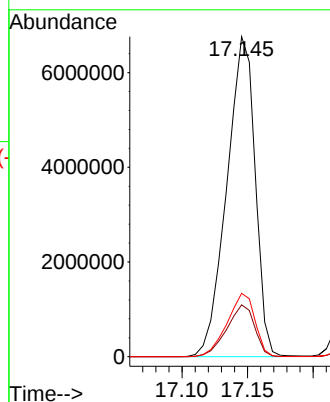
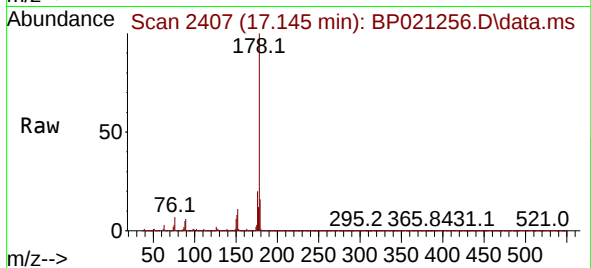
Tgt Ion:178 Resp:10158799

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

176 19.8 15.0 22.4



#74

Anthracene

Concen: 63.229 ng/ul

RT: 17.234 min Scan# 2422

Delta R.T. 0.000 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

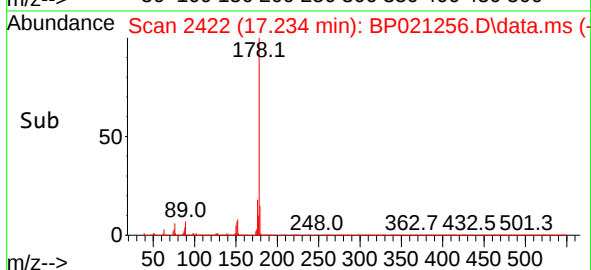
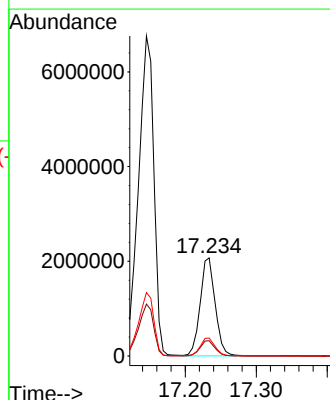
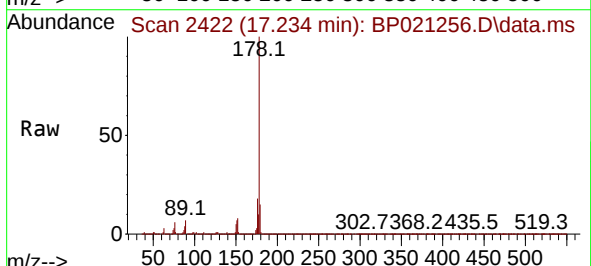
Tgt Ion:178 Resp: 3046300

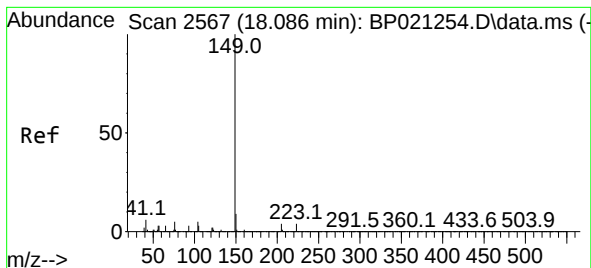
Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 18.3 14.8 22.2





#78

Di-n-butylphthalate

Concen: 125.664 ng/ul

RT: 18.098 min Scan# 2

Delta R.T. 0.001 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

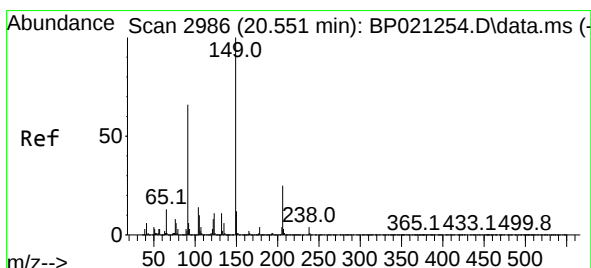
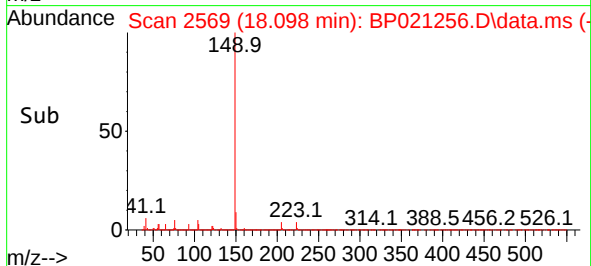
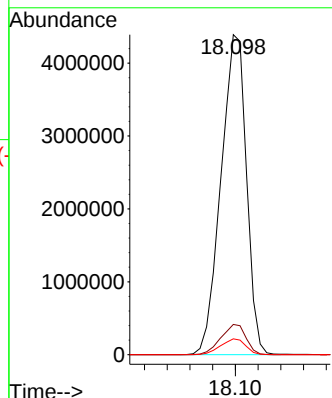
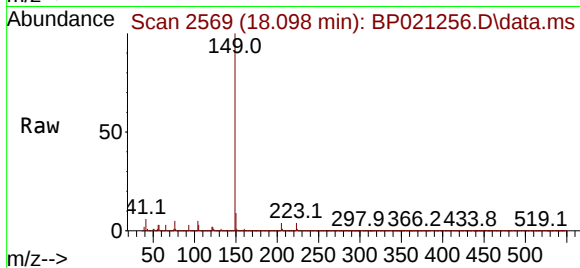
Tgt Ion:149 Resp: 6828273

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 4.9 3.9 5.9



#83

Butylbenzylphthalate

Concen: 169.191 ng/ul

RT: 20.569 min Scan# 2989

Delta R.T. 0.018 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

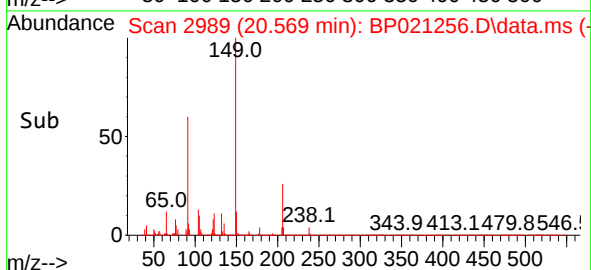
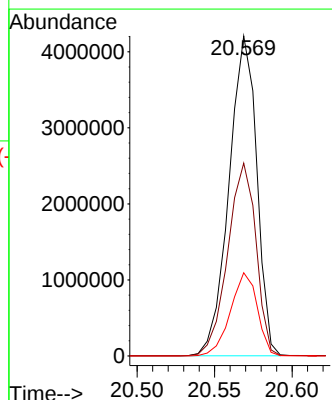
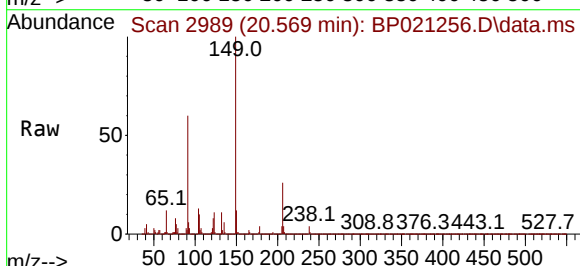
Tgt Ion:149 Resp: 5239640

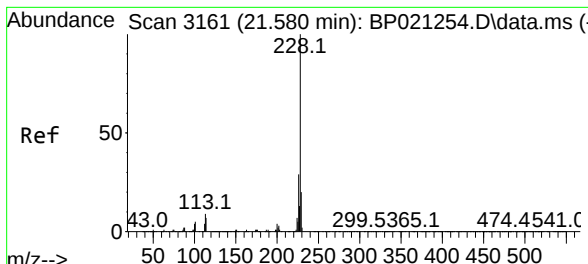
Ion Ratio Lower Upper

149 100

91 60.2 54.1 81.1

206 26.0 17.0 25.6#



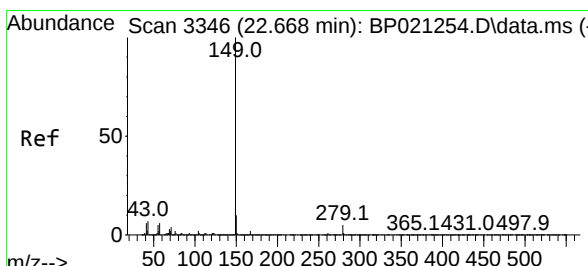
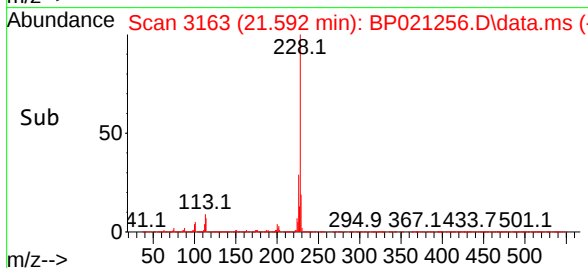
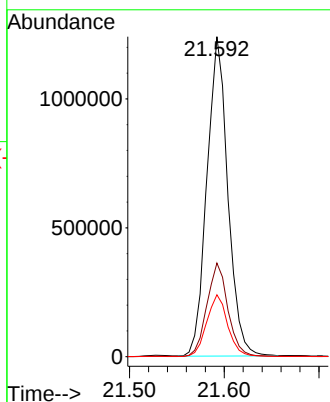
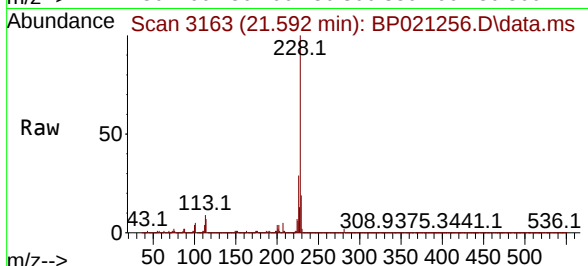


#87
 Chrysene
 Concen: 29.847 ng/ul
 RT: 21.592 min Scan# 3163
 Delta R.T. 0.006 min
 Lab File: BP021256.D
 Acq: 31 Jul 2024 11:08

Instrument :
 BNA_P
 ClientSampleId :
 XB503

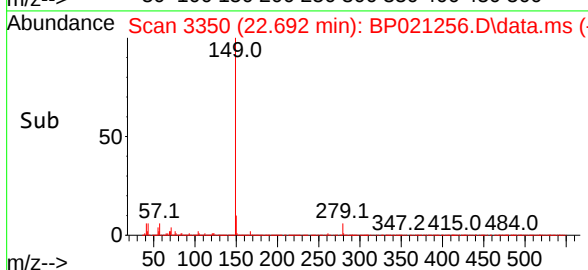
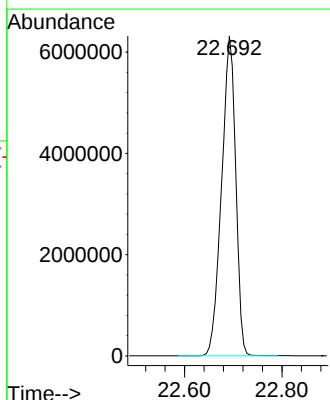
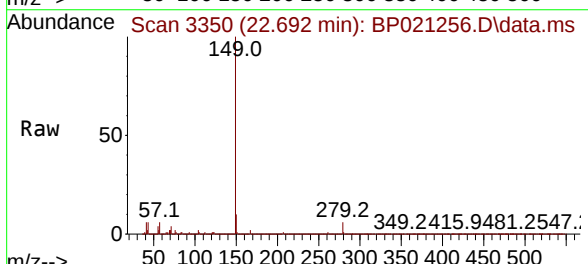
Tgt Ion:228 Resp: 1900717

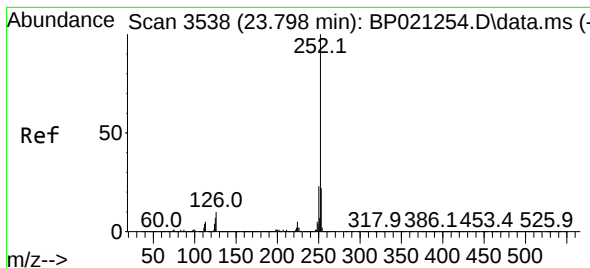
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	19.4	15.5	23.3



#89
 Di-n-octyl phthalate
 Concen: 198.498 ng/ul
 RT: 22.692 min Scan# 3350
 Delta R.T. 0.012 min
 Lab File: BP021256.D
 Acq: 31 Jul 2024 11:08

Tgt Ion:149 Resp:12762986





#90

Benzo(b)fluoranthene

Concen: 80.039 ng/ul

RT: 23.810 min Scan# 3540

Delta R.T. 0.024 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Instrument :

BNA_P

ClientSampleId :

XB503

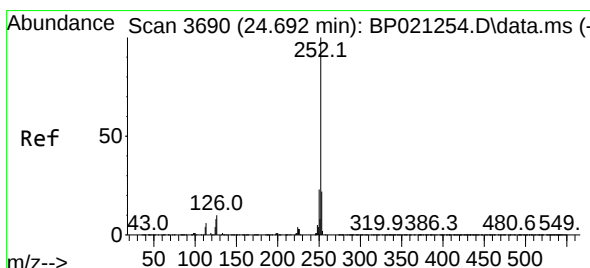
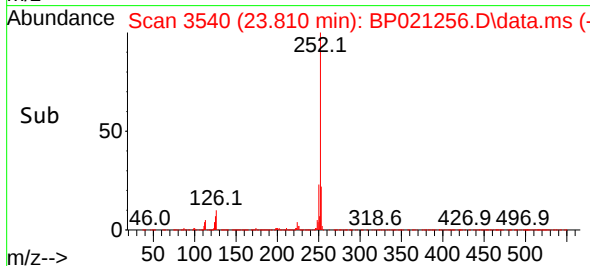
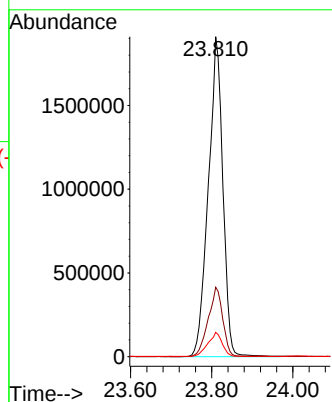
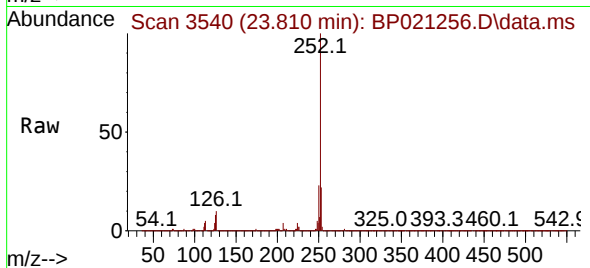
Tgt Ion:252 Resp: 4727535

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 7.6 7.0 10.4



#93

Benzo(a)pyrene

Concen: 64.446 ng/ul

RT: 24.704 min Scan# 3692

Delta R.T. 0.024 min

Lab File: BP021256.D

Acq: 31 Jul 2024 11:08

Tgt Ion:252 Resp: 3597106

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 7.9 7.7 11.5

