

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072924\
 Data File : BP021259.D
 Acq On : 31 Jul 2024 13:20
 Operator : CG/JU
 Sample : P3287-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XB503DL

Quant Time: Jul 31 13:49:20 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	7.622	152	170073	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.387	136	668159	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.269	164	458978	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.086	188	1014488	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	878624	20.000	ng/u1	0.01
88) Perylene-d12	24.856	264	888455	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.163	96	3047	0.815	ng/uL	-0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.840	99	67348	4.857	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	39785	4.735	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	61530	5.386	ng/u1	-0.01
15) 4-Methylphenol-d8	8.375	113	46427	4.032	ng/u1	0.01
21) Nitrobenzene-d5	8.793	128	28443	5.481	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	31061	5.229	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.051	165	69242	6.447	ng/u1	0.00
31) 4-Chloroaniline-d4	10.581	131	58288	4.096	ng/u1	0.02
46) Dimethylphthalate-d6	13.686	166	216388	6.485	ng/u1	0.00
49) Acenaphthylene-d8	13.963	160	235355	6.282	ng/u1	0.00
54) 4-Nitrophenol-d4	14.586	143	23811	5.016	ng/u1	0.00
60) Fluorene-d10	15.286	176	190602	6.963	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.492	200	19156	3.121	ng/u1	0.03
73) Anthracene-d10	17.198	188	298607	6.627	ng/u1	0.00
81) Pyrene-d10	19.592	212	368612	6.786	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.627	264	305843	6.980	ng/u1	0.03
Target Compounds						
					Qvalue	
8) Phenol	6.863	94	234190	16.691	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.063	93	473262	40.832	ng/u1	96
12) 2-Chlorophenol	7.204	128	430492	37.598	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.428	70	138633	14.886	ng/u1	93
19) Hexachloroethane	8.669	117	73539	14.293	ng/u1	90
22) Nitrobenzene	8.834	77	261548	21.039	ng/u1	96
23) Isophorone	9.334	82	980292	39.665	ng/u1	98
25) 2-Nitrophenol	9.534	139	134640	21.734	ng/u1	97
29) 2,4-Dichlorophenol	10.081	162	228089	21.548	ng/u1	97
30) Naphthalene	10.434	128	713631	20.305	ng/u1	99
33) Hexachlorobutadiene	10.698	225	156540	19.723	ng/u1	99
35) 4-Chloro-3-methylphenol	11.739	107	115435	10.033	ng/u1	96
36) 2-Methylnaphthalene	12.057	142	886765	36.757	ng/u1	99
41) 2,4,6-Trichlorophenol	12.698	196	133398	14.163	ng/u1	98
42) 2,4,5-Trichlorophenol	12.804	196	203437	20.415	ng/u1	99
44) 2-Chloronaphthalene	13.133	162	752493	28.101	ng/u1	100
48) 2,6-Dinitrotoluene	13.875	165	279770	41.334	ng/u1	92
52) Acenaphthene	14.333	153	984670	34.974	ng/u1	99
55) 4-Nitrophenol	14.604	109	88700	22.970	ng/u1	92
57) 2,4-Dinitrotoluene	14.704	165	140209	15.090	ng/u1#	86
59) Diethylphthalate	15.116	149	1424912	42.115	ng/u1	98
61) Fluorene	15.351	166	286070	9.093	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.339	204	675995	39.597	ng/u1	94
71) Pentachlorophenol	16.751	266	329545	44.503	ng/u1	98

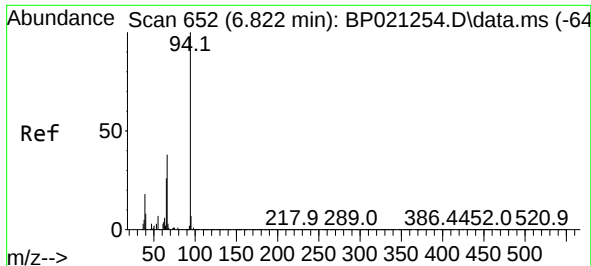
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072924\
Data File : BP021259.D
Acq On : 31 Jul 2024 13:20
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Sample : P3287-04DL 5X
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Instrument :
BNA_P
ClientSampleId :
XB503DL

Quant Time: Jul 31 13:49:20 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	17.133	178	2519405	47.872	ng/ul	100
74) Anthracene	17.239	178	678400	12.644	ng/ul	99
78) Di-n-butylphthalate	18.098	149	1573679	26.007	ng/ul	100
83) Butylbenzylphthalate	20.557	149	1165196	41.895	ng/ul	98
87) Chrysene	21.598	228	351376	6.144	ng/ul	99
89) Di-n-octyl phthalate	22.686	149	2438307	41.544	ng/ul	100
90) Benzo(b)fluoranthene	23.809	252	839210	15.565	ng/ul	99
93) Benzo(a)pyrene	24.698	252	632412	12.413	ng/ul	99

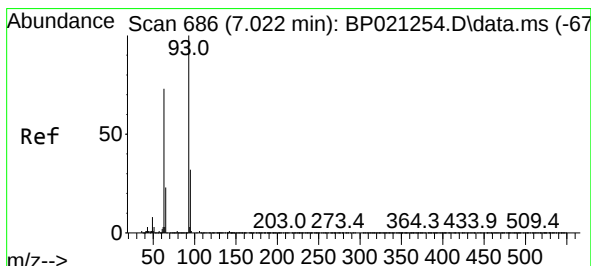
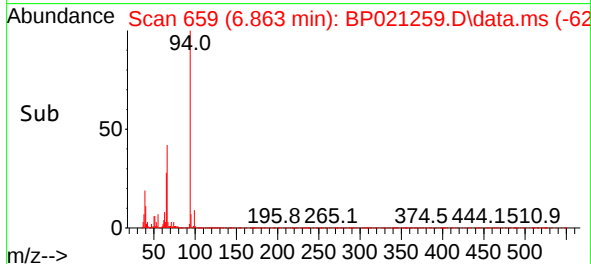
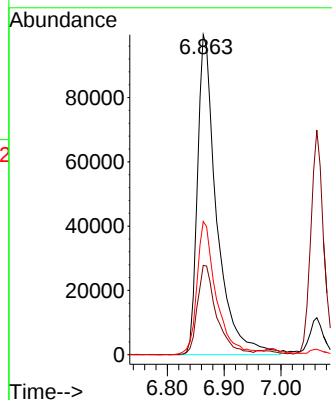
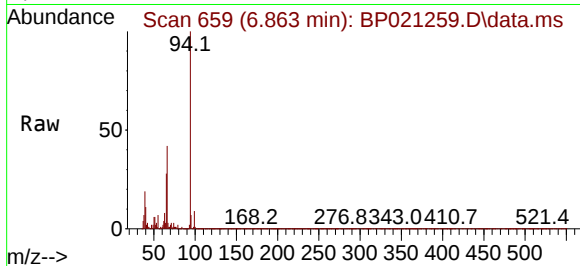
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Phenol
Concen: 16.691 ng/ul
RT: 6.863 min Scan# 610
Delta R.T. -0.012 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

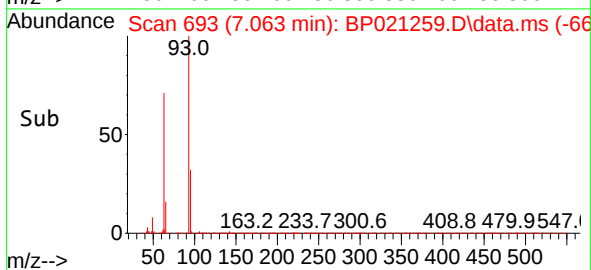
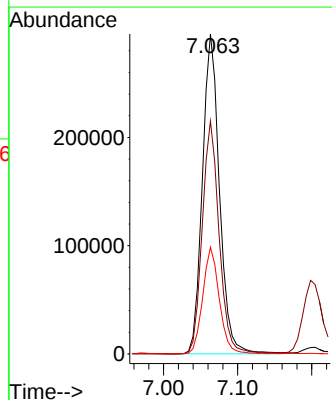
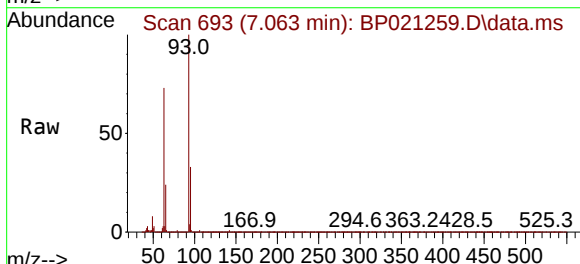
Instrument :
BNA_P
ClientSampleId :
XB503DL

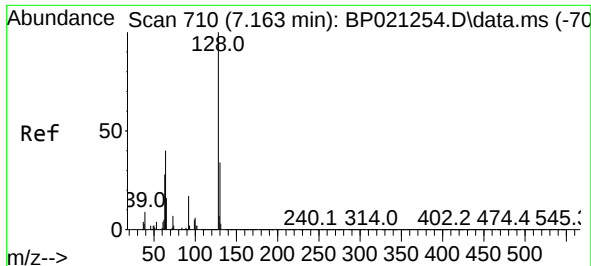
Tgt Ion: 94 Resp: 234190
Ion Ratio Lower Upper
94 100
65 27.9 23.4 35.0
66 41.6 33.9 50.9



#10
Bis(2-Chloroethyl)ether
Concen: 40.832 ng/ul
RT: 7.063 min Scan# 693
Delta R.T. -0.012 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion: 93 Resp: 473262
Ion Ratio Lower Upper
93 100
63 72.8 61.5 92.3
95 33.3 25.1 37.7

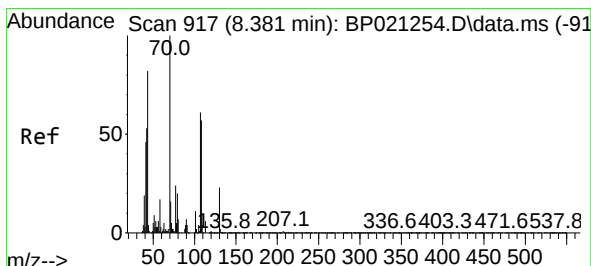
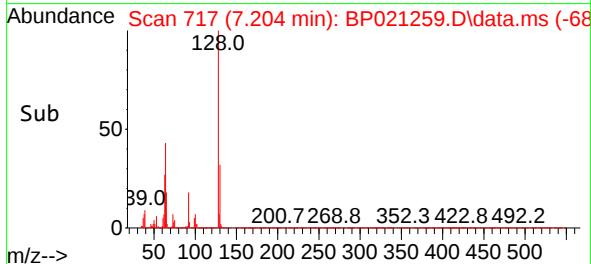
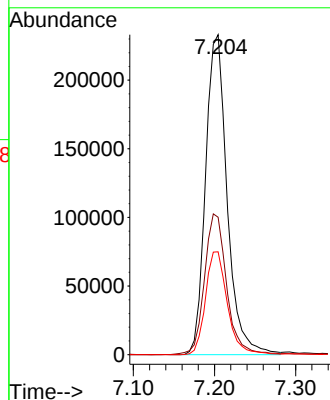
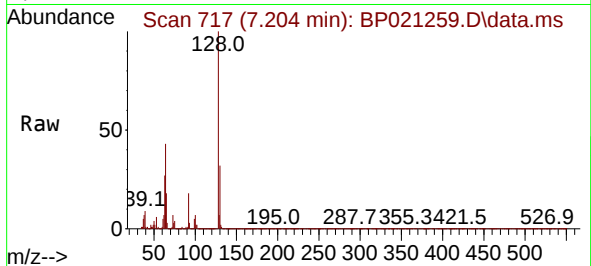




#12
2-Chlorophenol
Concen: 37.598 ng/ul
RT: 7.204 min Scan# 710
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

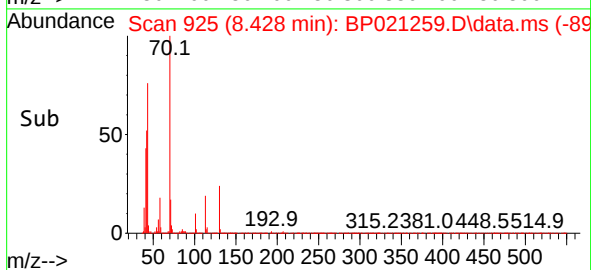
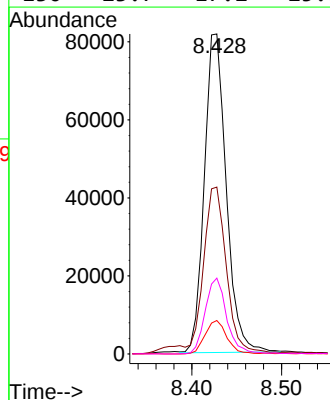
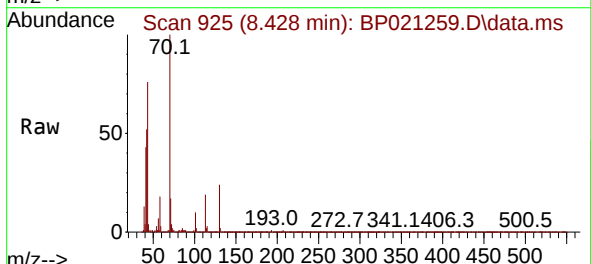
Instrument :
BNA_P
ClientSampleId :
XB503DL

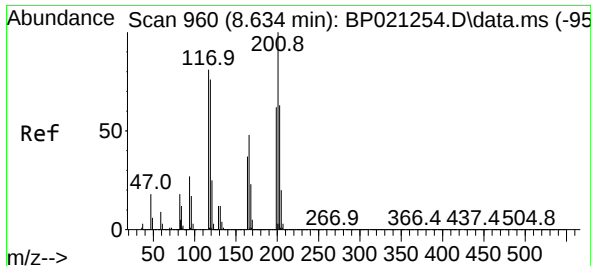
Tgt Ion:128 Resp: 430492
Ion Ratio Lower Upper
128 100
64 43.0 37.9 56.9
130 32.1 25.6 38.4



#17
N-Nitroso-di-n-propylamine
Concen: 14.886 ng/ul
RT: 8.428 min Scan# 925
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion: 70 Resp: 138633
Ion Ratio Lower Upper
70 100
42 52.1 46.6 69.8
101 10.4 7.4 11.0
130 23.7 17.2 25.8

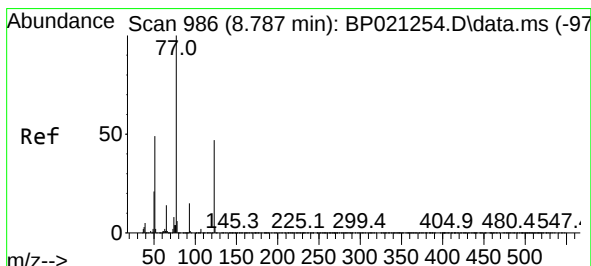
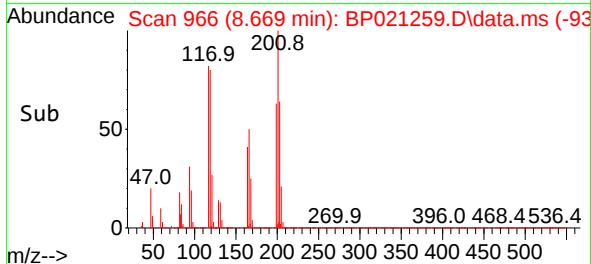
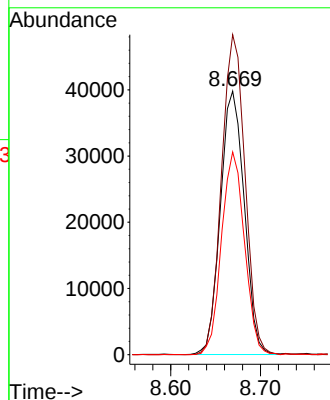
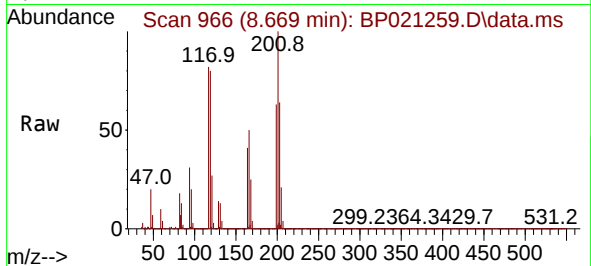




#19
Hexachloroethane
Concen: 14.293 ng/ul
RT: 8.669 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

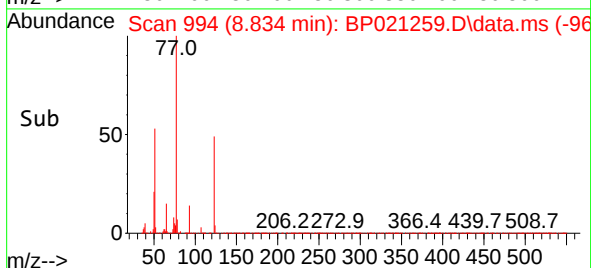
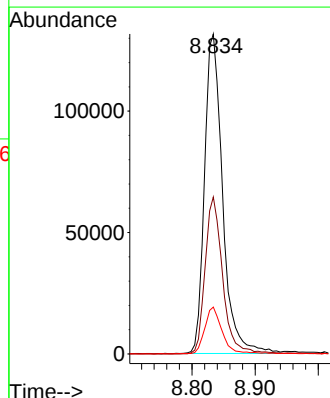
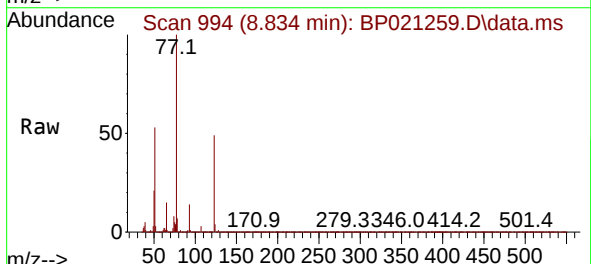
Instrument :
BNA_P
ClientSampleId :
XB503DL

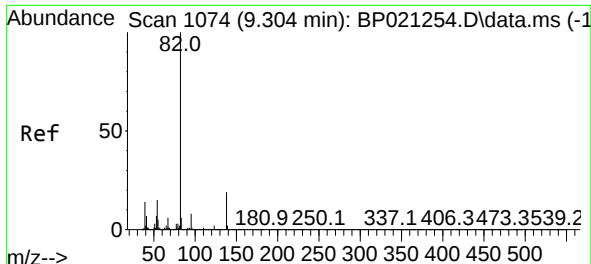
Tgt Ion:117 Resp: 73539
Ion Ratio Lower Upper
117 100
201 121.4 88.2 132.2
199 76.9 55.8 83.6



#22
Nitrobenzene
Concen: 21.039 ng/ul
RT: 8.834 min Scan# 994
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion: 77 Resp: 261548
Ion Ratio Lower Upper
77 100
123 49.0 36.7 55.1
65 14.6 11.1 16.7

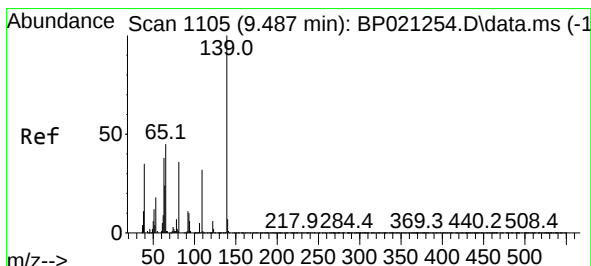
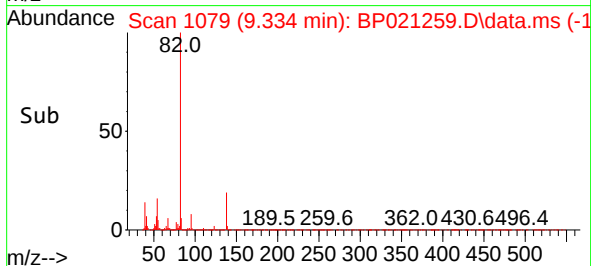
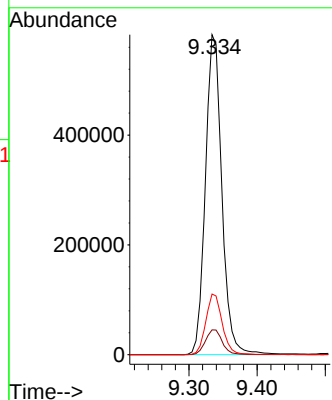
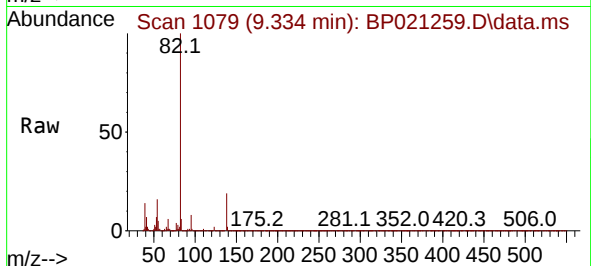




#23
Isophorone
Concen: 39.665 ng/ul
RT: 9.334 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

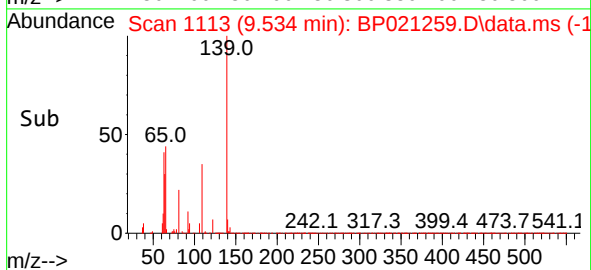
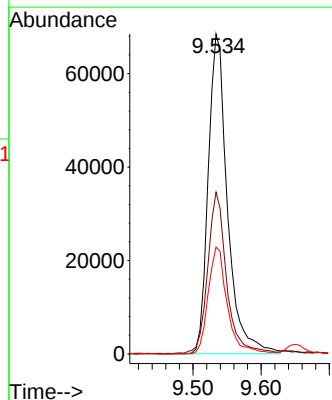
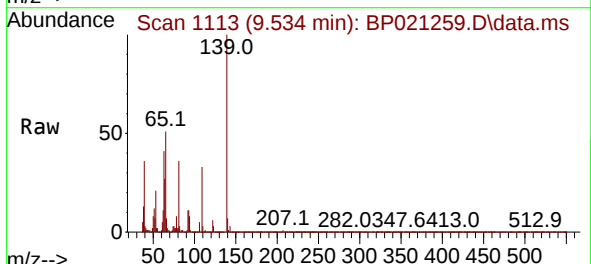
Instrument :
BNA_P
ClientSampleId :
XB503DL

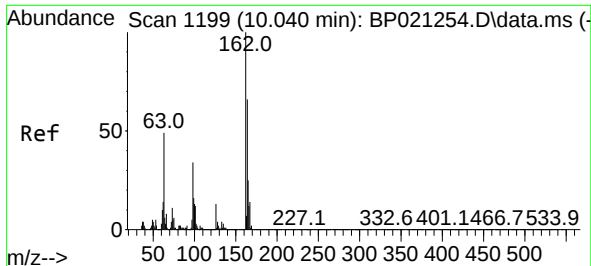
Tgt Ion: 82 Resp: 980292
Ion Ratio Lower Upper
82 100
95 7.8 6.1 9.1
138 19.0 14.4 21.6



#25
2-Nitrophenol
Concen: 21.734 ng/ul
RT: 9.534 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion:139 Resp: 134640
Ion Ratio Lower Upper
139 100
65 50.5 42.9 64.3
109 33.4 26.2 39.4





#29

2,4-Dichlorophenol

Concen: 21.548 ng/ul

RT: 10.081 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

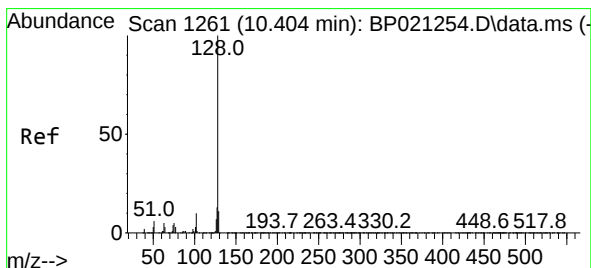
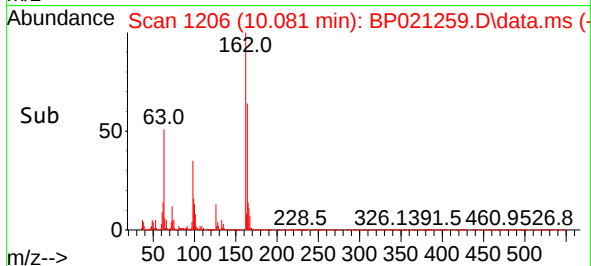
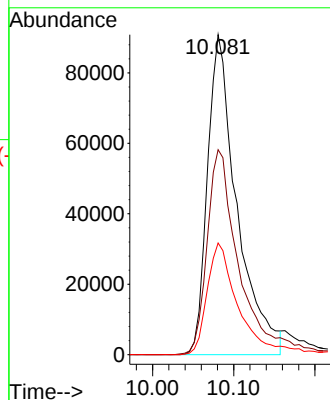
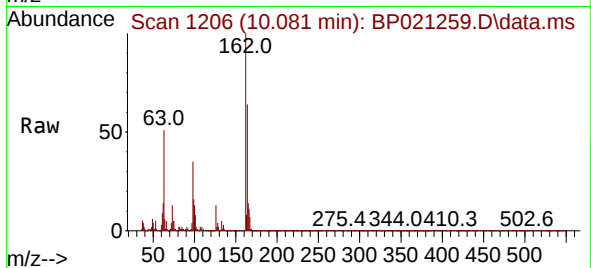
Tgt Ion:162 Resp: 228089

Ion Ratio Lower Upper

162 100

164 64.0 53.3 79.9

98 34.9 28.7 43.1



#30

Naphthalene

Concen: 20.305 ng/ul

RT: 10.434 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

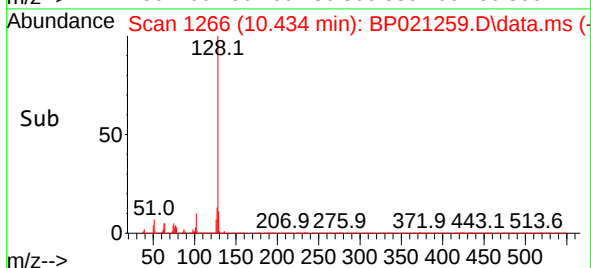
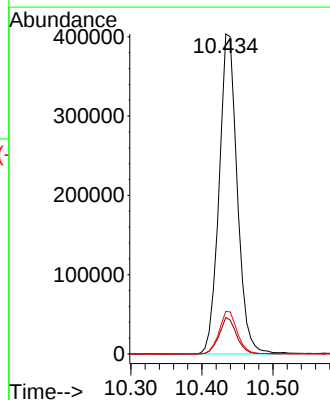
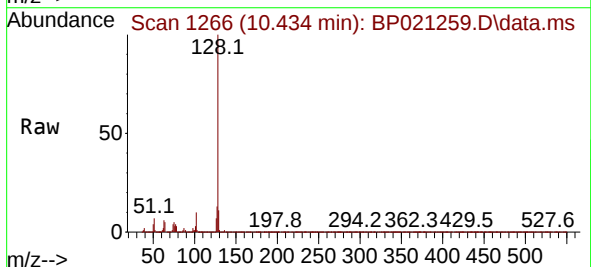
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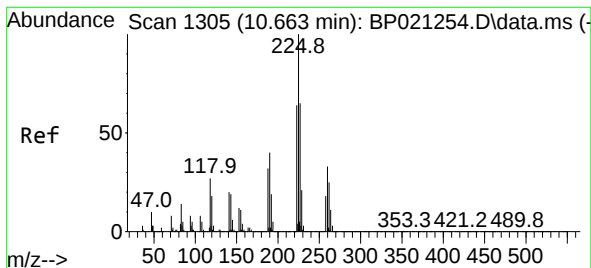
Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 13.3 10.8 16.2





#33

Hexachlorobutadiene

Concen: 19.723 ng/ul

RT: 10.698 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

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XB503DL

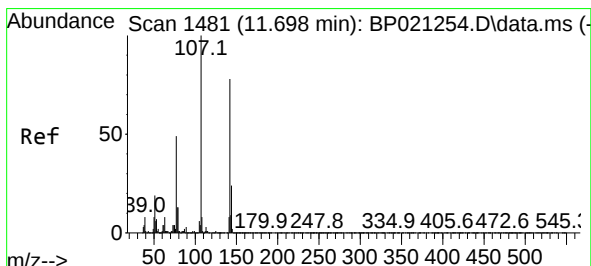
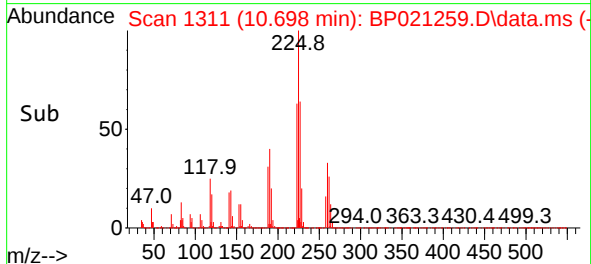
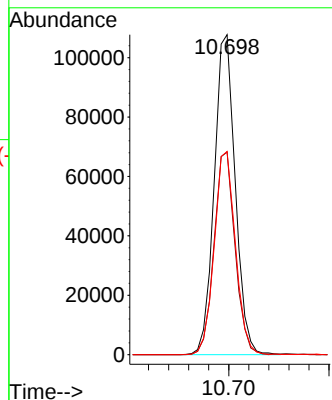
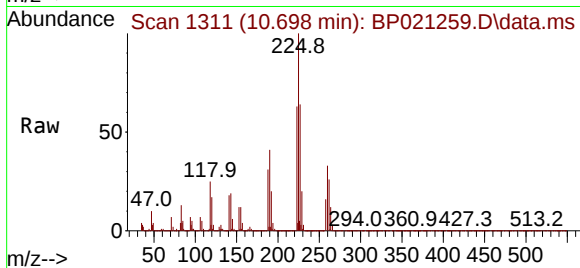
Tgt Ion:225 Resp: 156540

Ion Ratio Lower Upper

225 100

223 63.3 50.2 75.2

227 63.5 50.6 75.8



#35

4-Chloro-3-methylphenol

Concen: 10.033 ng/ul

RT: 11.739 min Scan# 1488

Delta R.T. 0.000 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

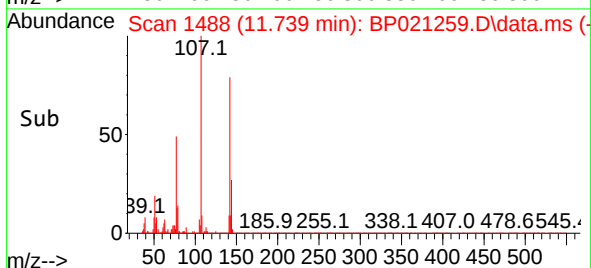
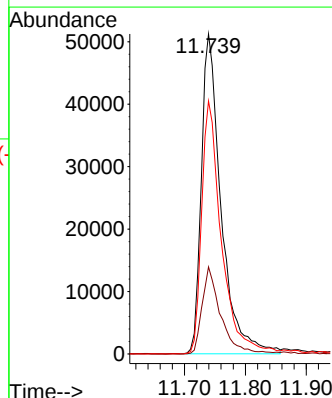
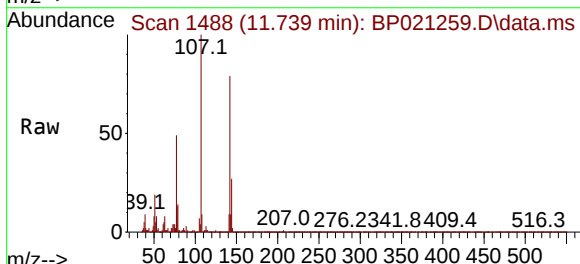
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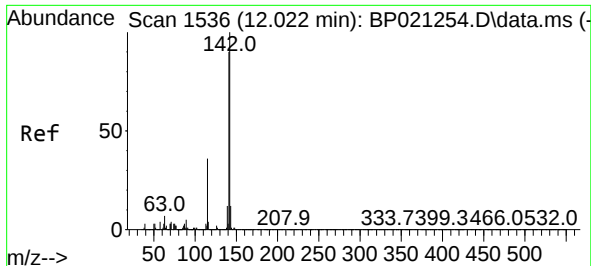
Ion Ratio Lower Upper

107 100

144 27.2 19.3 28.9

142 79.1 60.7 91.1

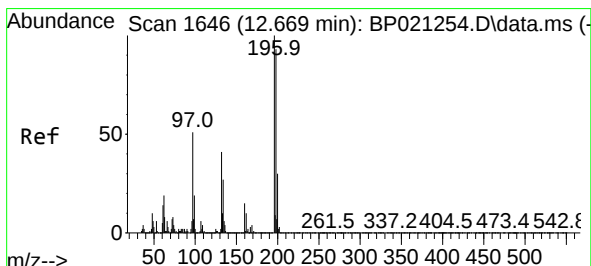
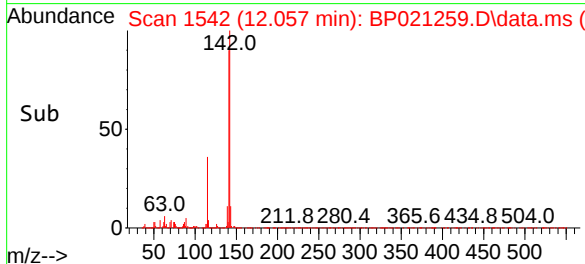
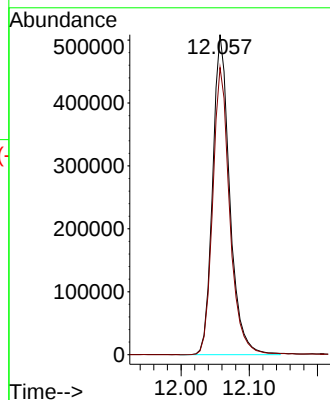
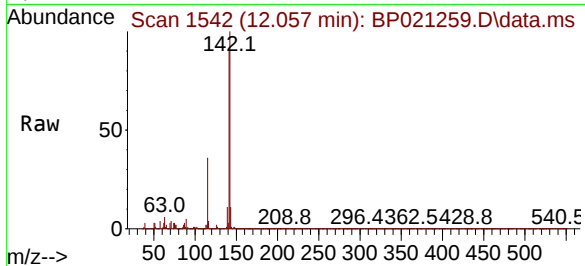




#36
2-Methylnaphthalene
Concen: 36.757 ng/ul
RT: 12.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

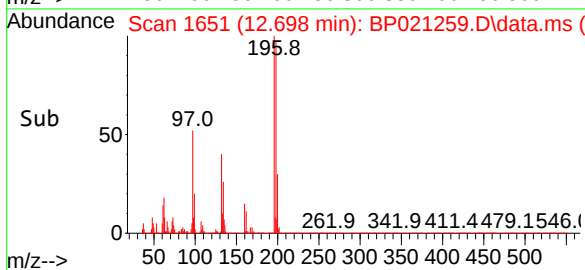
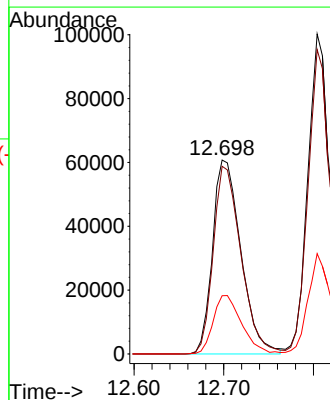
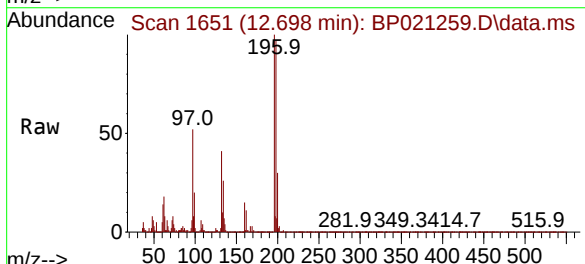
Instrument :
BNA_P
ClientSampleId :
XB503DL

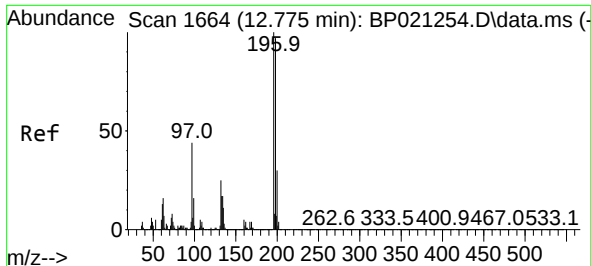
Tgt Ion:142 Resp: 886765
Ion Ratio Lower Upper
142 100
141 89.7 72.6 108.8



#41
2,4,6-Trichlorophenol
Concen: 14.163 ng/ul
RT: 12.698 min Scan# 1651
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion:196 Resp: 133398
Ion Ratio Lower Upper
196 100
198 96.7 76.6 115.0
200 30.1 26.0 39.0

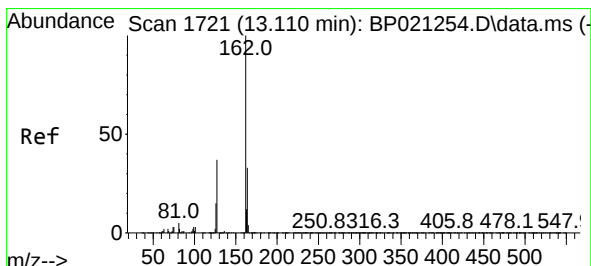
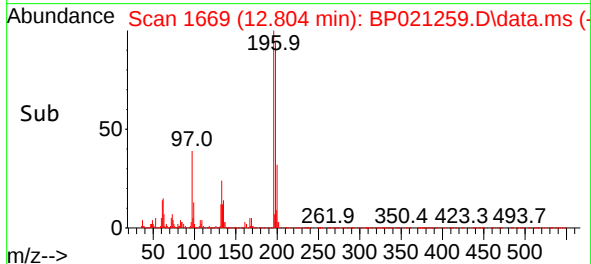
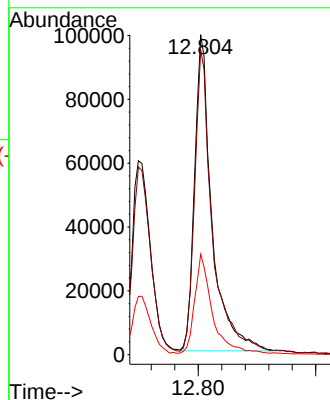
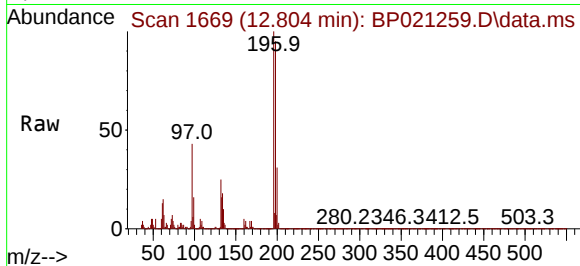




#42
2,4,5-Trichlorophenol
Concen: 20.415 ng/ul
RT: 12.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

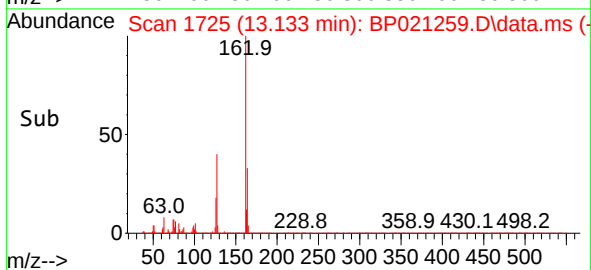
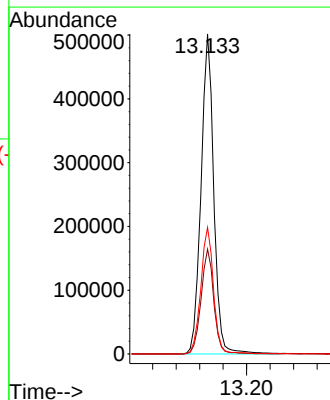
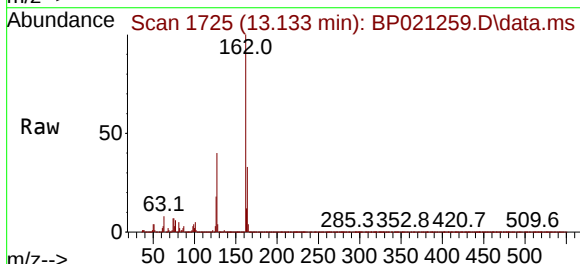
Instrument :
BNA_P
ClientSampleId :
XB503DL

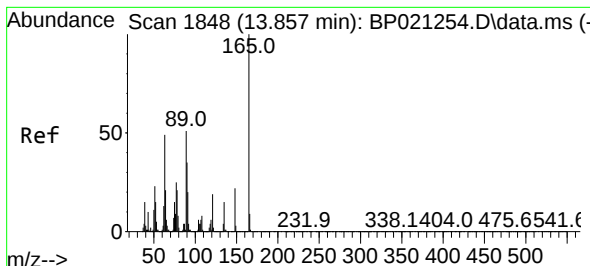
Tgt Ion:196 Resp: 203437
Ion Ratio Lower Upper
196 100
198 95.1 77.1 115.7
200 31.4 25.3 37.9



#44
2-Chloronaphthalene
Concen: 28.101 ng/ul
RT: 13.133 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion:162 Resp: 752493
Ion Ratio Lower Upper
162 100
164 32.8 26.3 39.5
127 39.5 31.8 47.8





#48

2,6-Dinitrotoluene

Concen: 41.334 ng/ul

RT: 13.875 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

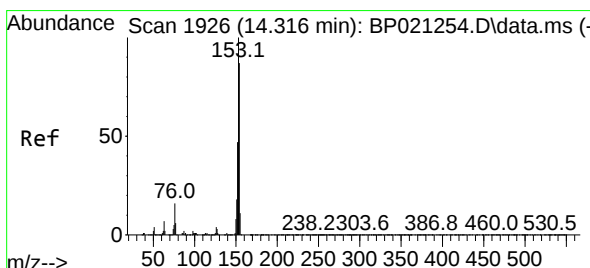
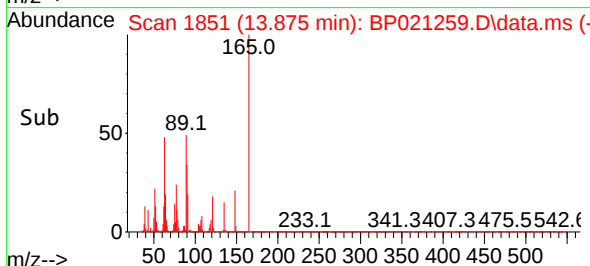
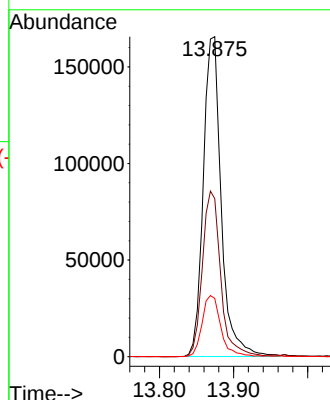
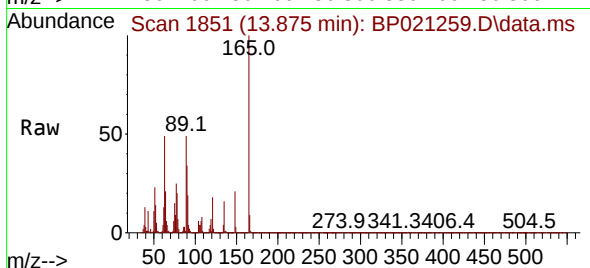
Tgt Ion:165 Resp: 279770

Ion Ratio Lower Upper

165 100

89 49.4 44.7 67.1

121 18.2 16.5 24.7



#52

Acenaphthene

Concen: 34.974 ng/ul

RT: 14.333 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

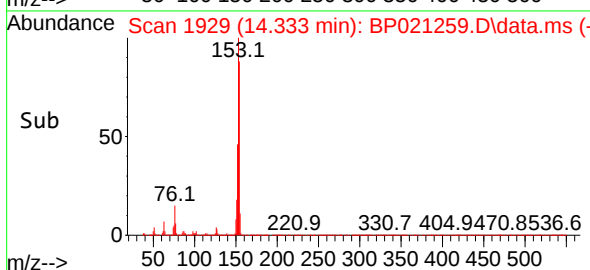
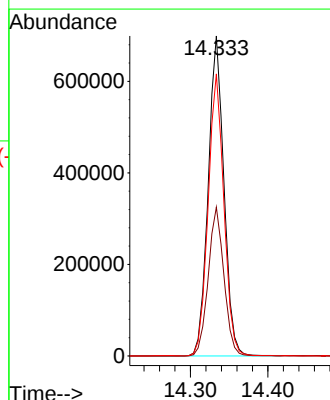
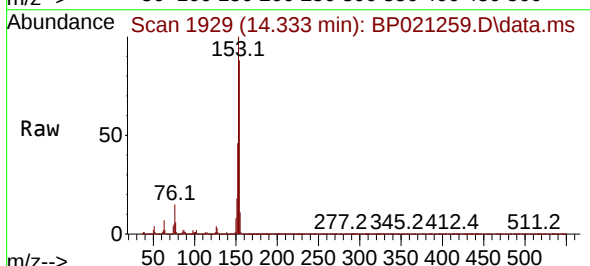
Tgt Ion:153 Resp: 984670

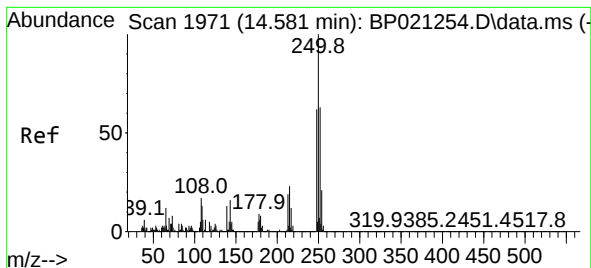
Ion Ratio Lower Upper

153 100

152 46.5 37.8 56.6

154 88.1 71.8 107.6

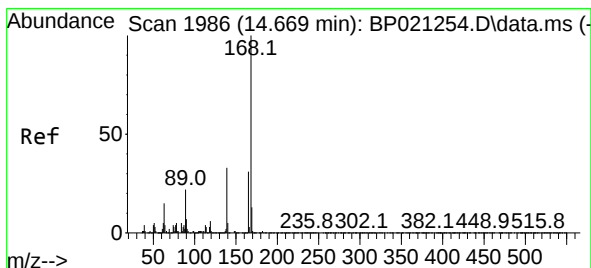
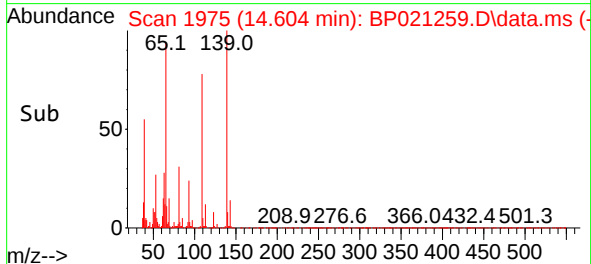
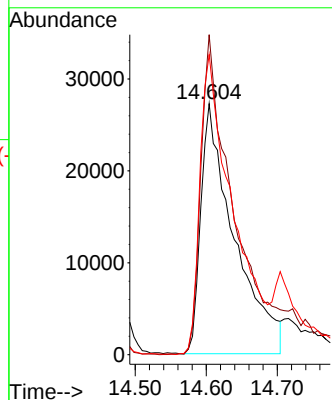
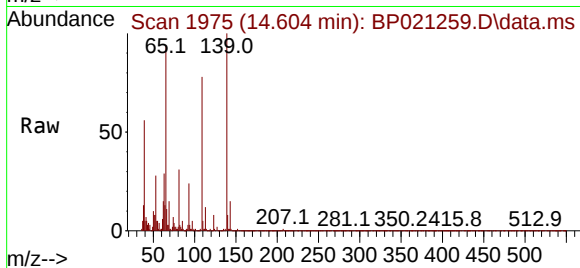




#55
4-Nitrophenol
Concen: 22.970 ng/ul
RT: 14.604 min Scan# 1975
Delta R.T. 0.012 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

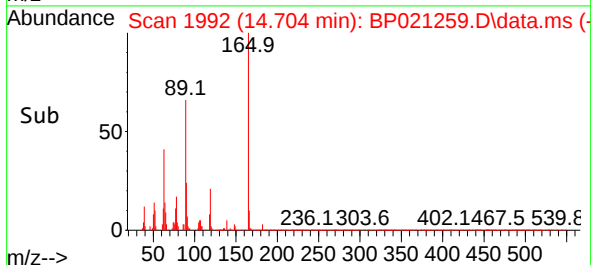
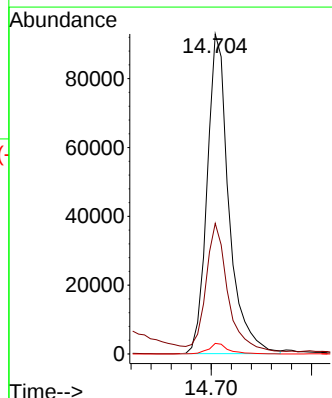
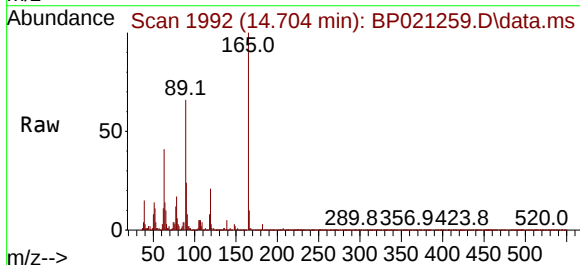
Instrument :
BNA_P
ClientSampleId :
XB503DL

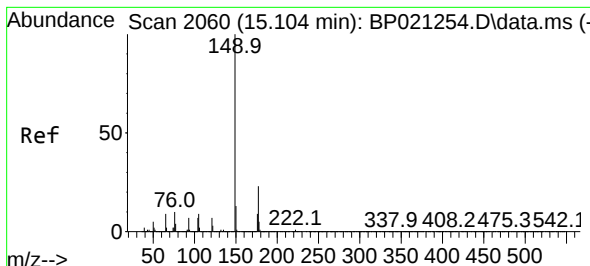
Tgt Ion:109 Resp: 88700
Ion Ratio Lower Upper
109 100
139 127.5 98.0 147.0
65 119.6 106.0 159.0



#57
2,4-Dinitrotoluene
Concen: 15.090 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion:165 Resp: 140209
Ion Ratio Lower Upper
165 100
63 40.8 41.0 61.4#
182 3.3 2.2 3.4





#59

Diethylphthalate

Concen: 42.115 ng/ul

RT: 15.116 min Scan# 2102

Delta R.T. -0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

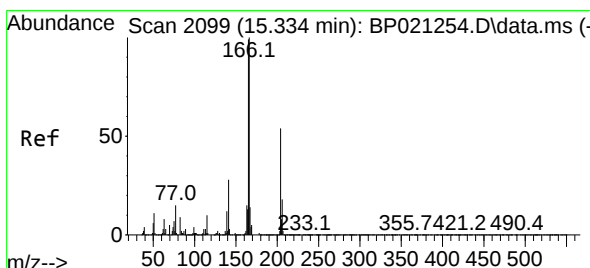
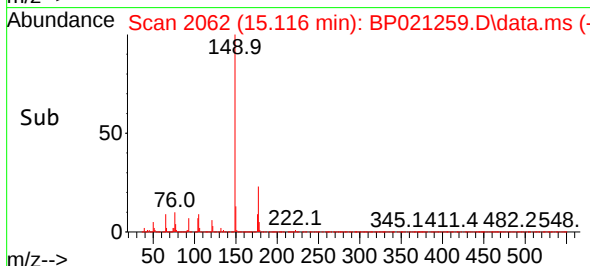
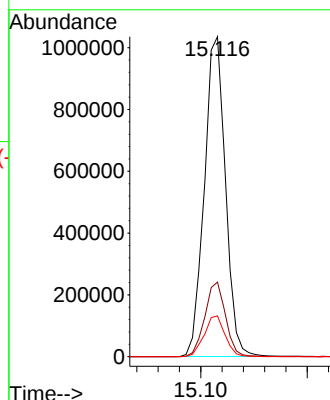
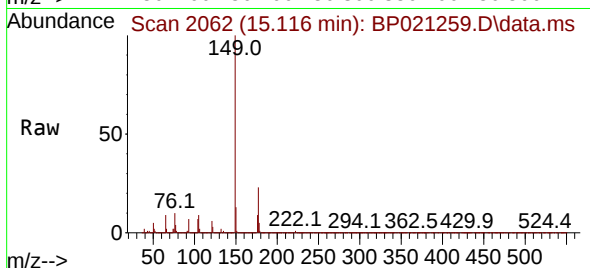
Tgt Ion:149 Resp: 1424912

Ion Ratio Lower Upper

149 100

177 23.3 17.7 26.5

150 12.8 10.2 15.2



#61

Fluorene

Concen: 9.093 ng/ul

RT: 15.351 min Scan# 2102

Delta R.T. 0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

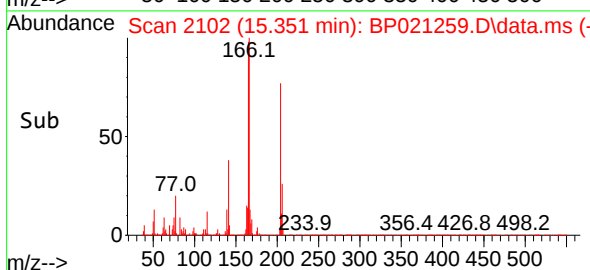
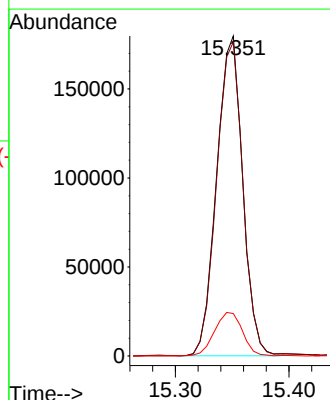
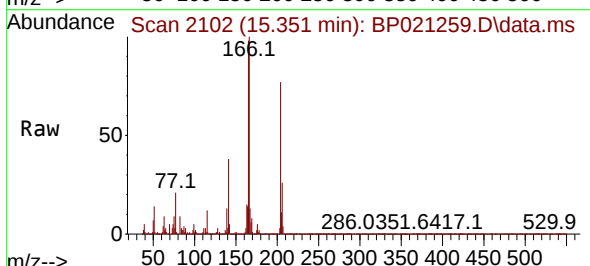
Tgt Ion:166 Resp: 286070

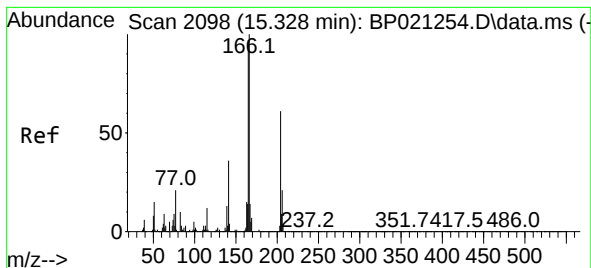
Ion Ratio Lower Upper

166 100

165 98.1 78.1 117.1

167 13.3 10.9 16.3

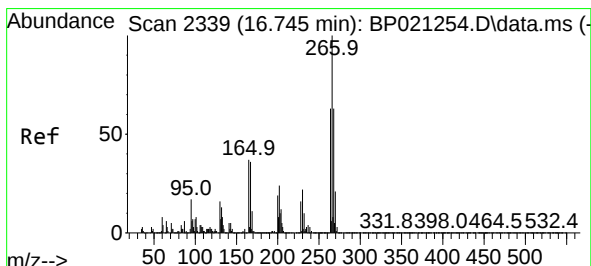
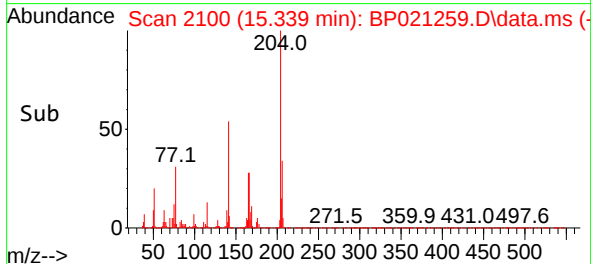
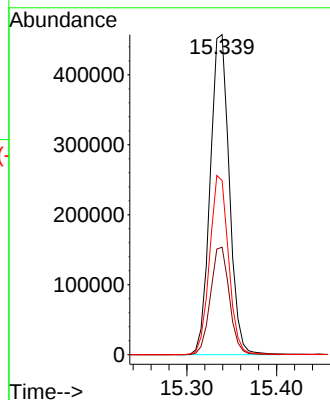
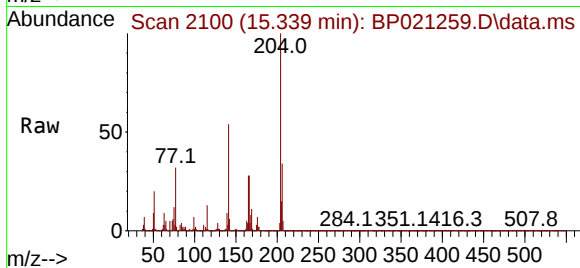




#62
4-Chlorophenyl-phenylether
Concen: 39.597 ng/ul
RT: 15.339 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

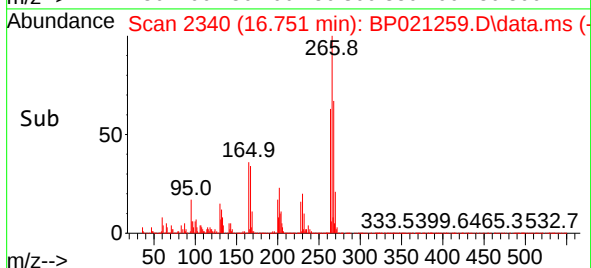
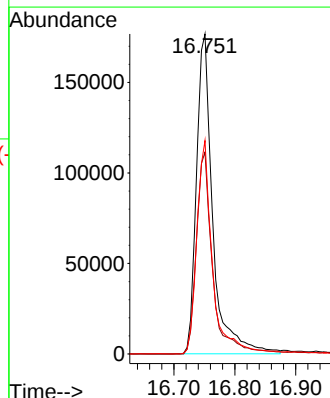
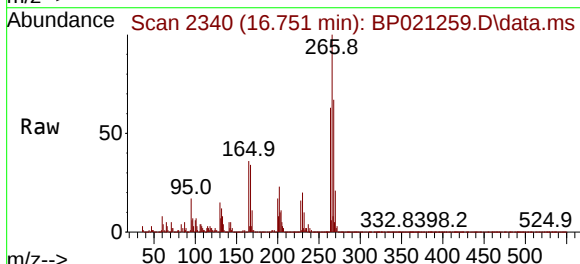
Instrument :
BNA_P
ClientSampleId :
XB503DL

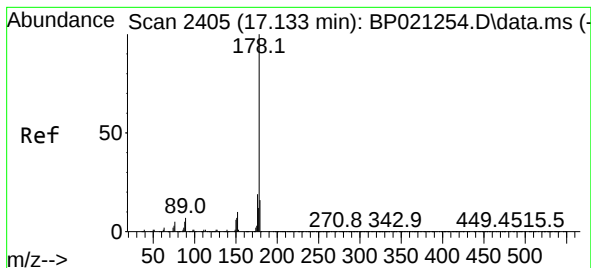
Tgt Ion:204 Resp: 675995
Ion Ratio Lower Upper
204 100
206 33.6 26.4 39.6
141 54.4 48.5 72.7



#71
Pentachlorophenol
Concen: 44.503 ng/ul
RT: 16.751 min Scan# 2340
Delta R.T. 0.000 min
Lab File: BP021259.D
Acq: 31 Jul 2024 13:20

Tgt Ion:266 Resp: 329545
Ion Ratio Lower Upper
266 100
264 63.0 52.3 78.5
268 66.7 52.3 78.5





#72

Phenanthrene

Concen: 47.872 ng/ul

RT: 17.133 min Scan# 2405

Delta R.T. 0.000 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

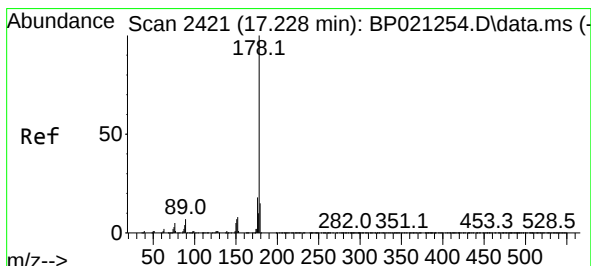
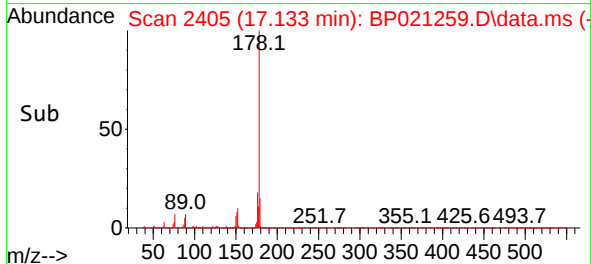
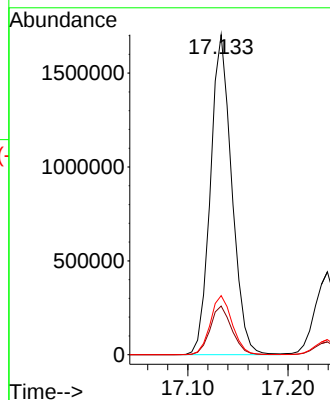
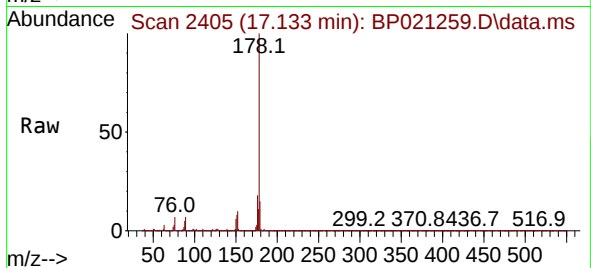
Tgt Ion:178 Resp: 2519405

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

176 18.5 15.0 22.4



#74

Anthracene

Concen: 12.644 ng/ul

RT: 17.239 min Scan# 2423

Delta R.T. 0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

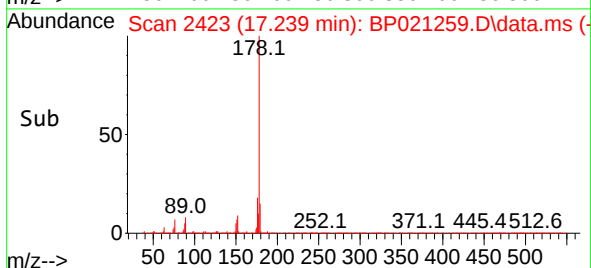
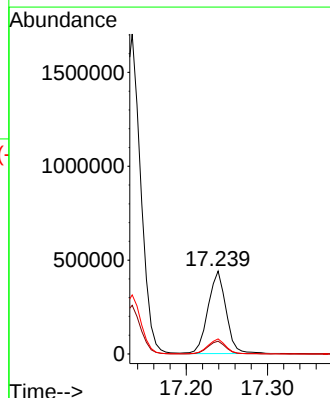
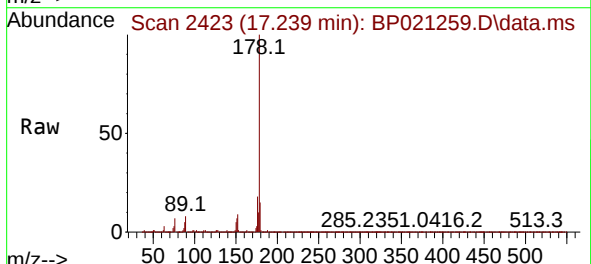
Tgt Ion:178 Resp: 678400

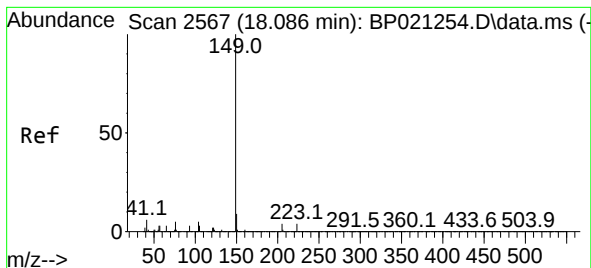
Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

176 18.2 14.8 22.2





#78

Di-n-butylphthalate

Concen: 26.007 ng/ul

RT: 18.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

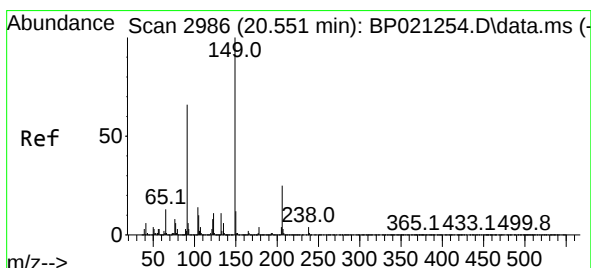
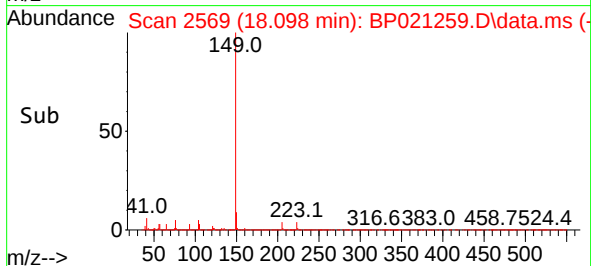
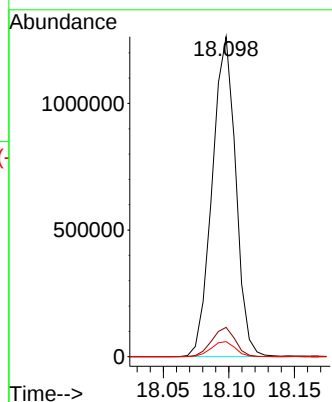
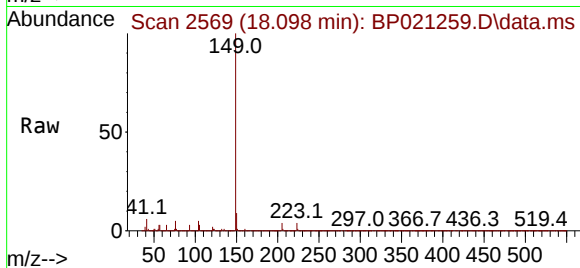
Tgt Ion:149 Resp: 1573679

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 4.7 3.9 5.9



#83

Butylbenzylphthalate

Concen: 41.895 ng/ul

RT: 20.557 min Scan# 2987

Delta R.T. 0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

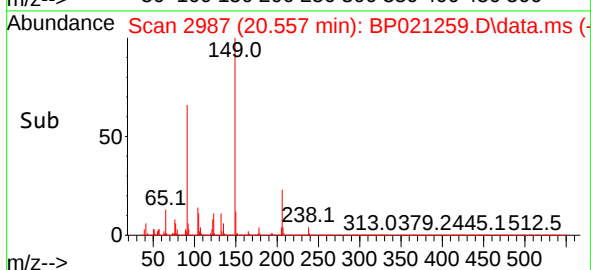
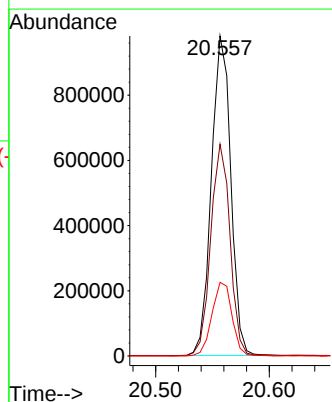
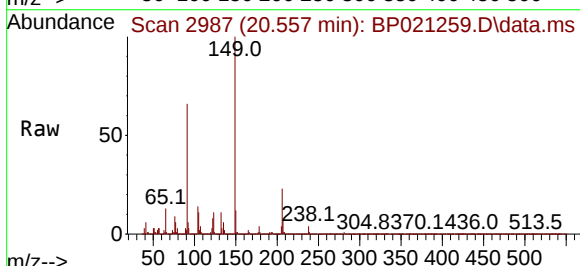
Tgt Ion:149 Resp: 1165196

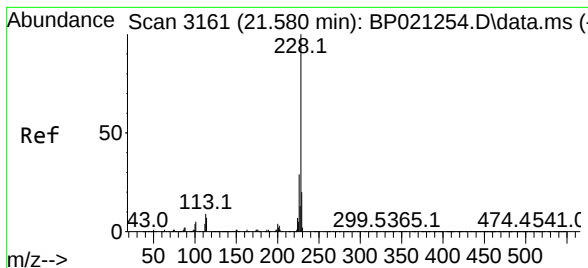
Ion Ratio Lower Upper

149 100

91 66.2 54.1 81.1

206 23.0 17.0 25.6





#87

Chrysene

Concen: 6.144 ng/ul

RT: 21.598 min Scan# 3164

Delta R.T. 0.012 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

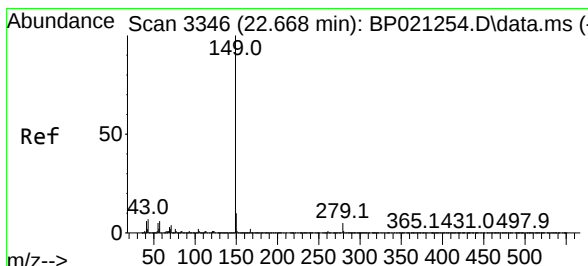
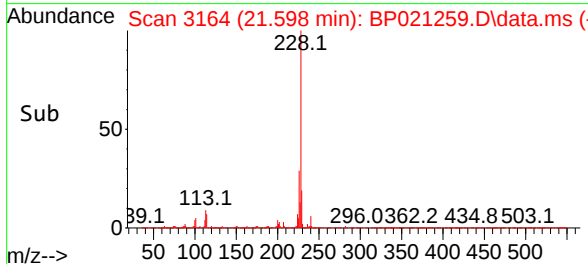
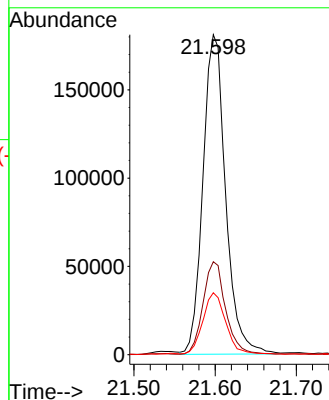
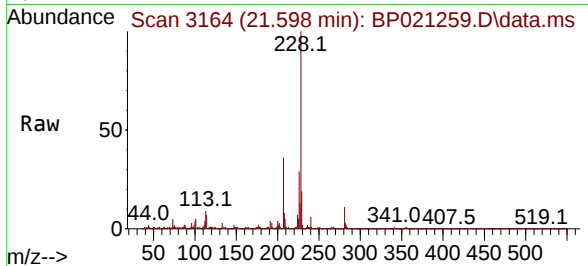
Tgt Ion:228 Resp: 351376

Ion Ratio Lower Upper

228 100

226 29.1 23.6 35.4

229 19.3 15.5 23.3



#89

Di-n-octyl phthalate

Concen: 41.544 ng/ul

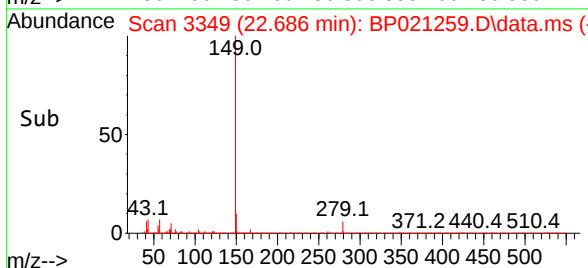
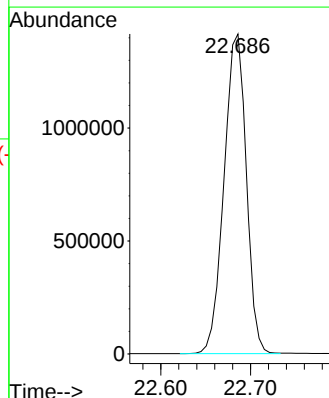
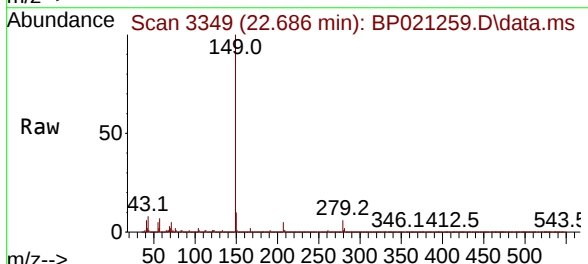
RT: 22.686 min Scan# 3349

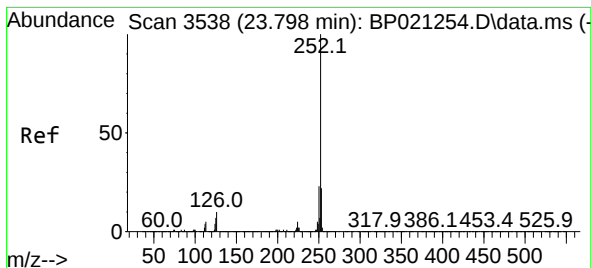
Delta R.T. 0.006 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Tgt Ion:149 Resp: 2438307





#90

Benzo(b)fluoranthene

Concen: 15.565 ng/ul

RT: 23.809 min Scan# 3540

Delta R.T. 0.024 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Instrument :

BNA_P

ClientSampleId :

XB503DL

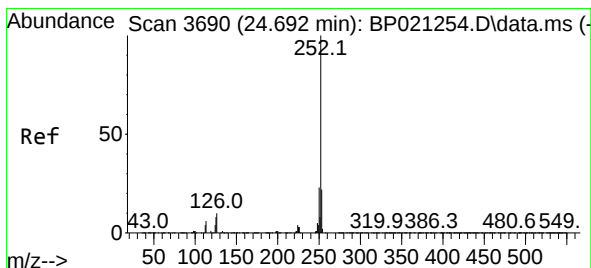
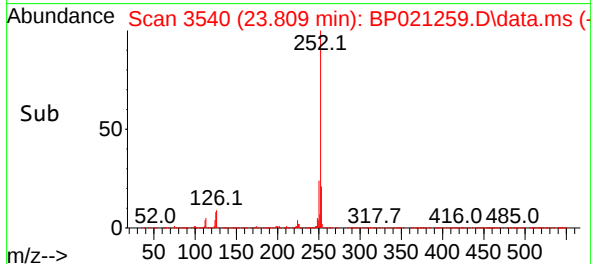
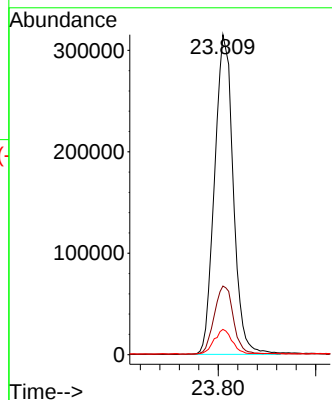
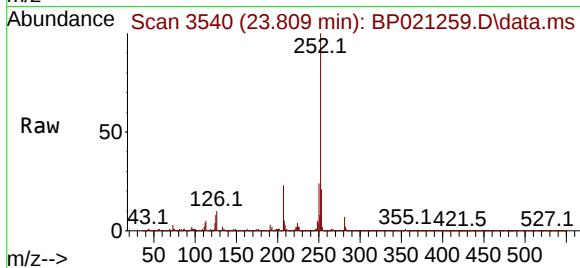
Tgt Ion:252 Resp: 839210

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 7.9 7.0 10.4



#93

Benzo(a)pyrene

Concen: 12.413 ng/ul

RT: 24.698 min Scan# 3691

Delta R.T. 0.018 min

Lab File: BP021259.D

Acq: 31 Jul 2024 13:20

Tgt Ion:252 Resp: 632412

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 8.8 7.7 11.5

