

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
 Data File : BM042502.D
 Acq On : 30 Oct 2023 20:07
 Operator : MA/JU
 Sample : 04958-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WASTE-WATERRE

Quant Time: Oct 31 03:46:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

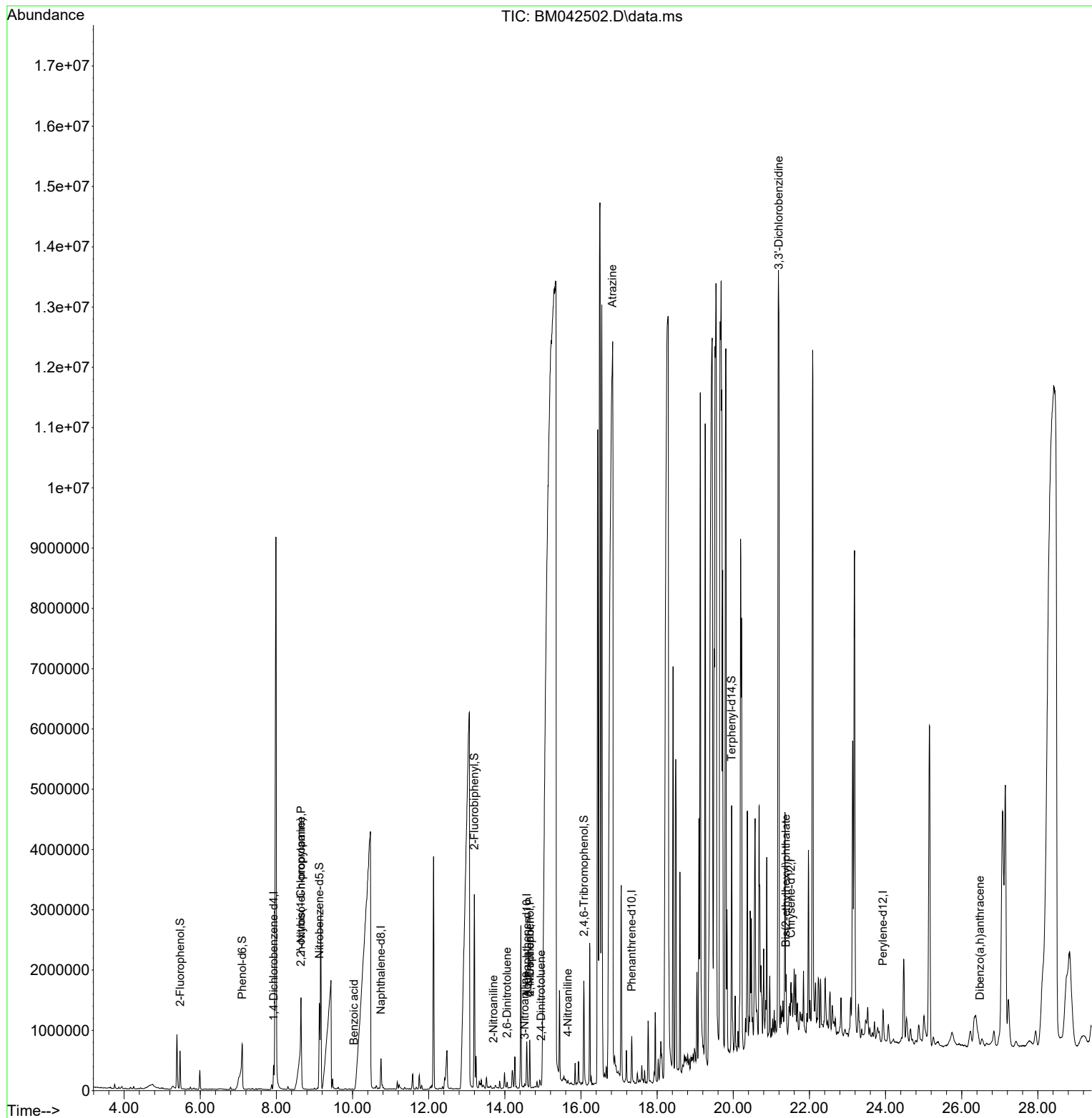
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	95971	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	373312	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	228180	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	437645	20.000	ng	0.00
76) Chrysene-d12	21.515	240	370089	20.000	ng	0.00
86) Perylene-d12	23.932	264	415816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	223751	37.627	ng	0.00
7) Phenol-d6	7.098	99	182687	22.400	ng	0.00
23) Nitrobenzene-d5	9.128	82	783932	97.892	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	262878	88.241	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	1463946	86.330	ng	0.00
79) Terphenyl-d14	19.956	244	2001550	91.703	ng	0.01
Target Compounds						
						Qvalue
16) 2,2'-oxybis(1-Chloropr...	8.639	45	158815	14.242	ng	78
19) n-Nitroso-di-n-propyla...	8.645	70	205213	35.570	ng	# 58
32) Benzoic acid	10.039	122	55	4.122	ng	# 41
48) 2-Nitroaniline	13.698	65	496	4.438	ng	# 13
51) 2,6-Dinitrotoluene	14.057	165	9813	2.792	ng	# 18
53) 3-Nitroaniline	14.521	138	108	4.377	ng	# 1
54) 2,4-Dinitrophenol	14.657	184	1604	8.328	ng	# 49
56) 4-Nitrophenol	14.657	139	894	7.209	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	62	3.982	ng	# 1
62) 4-Nitroaniline	15.651	138	97	5.764	ng	# 12
69) Atrazine	16.827	200	63634	17.846	ng	# 46
82) 3,3'-Dichlorobenzidine	21.197	252	59638	7.969	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.380	149	55672	3.394	ng	96
91) Dibenzo(a,h)anthracene	26.479	278	262	4.148	ng	# 1

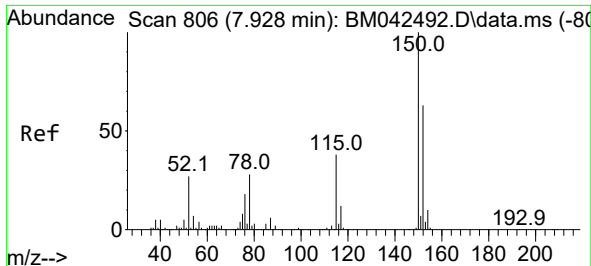
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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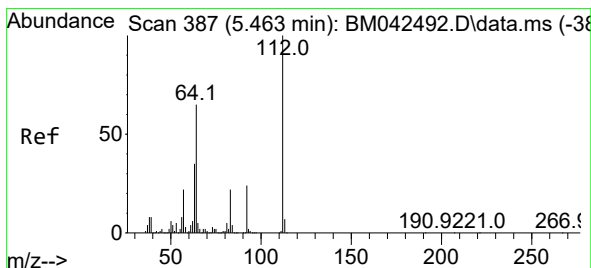
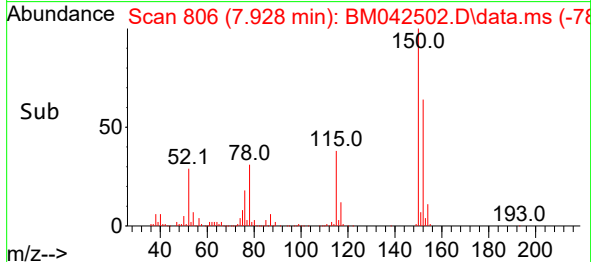
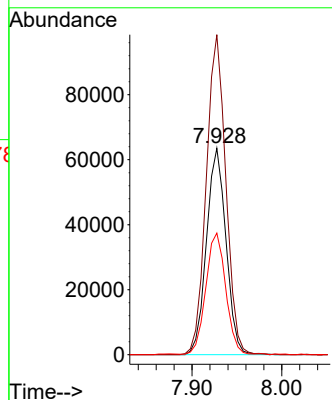
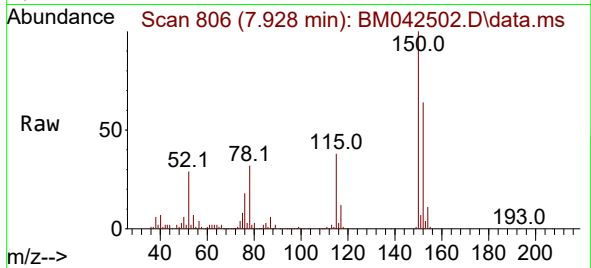




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

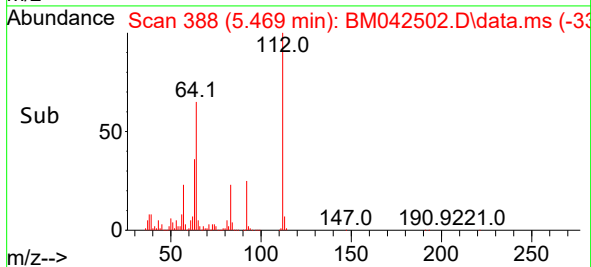
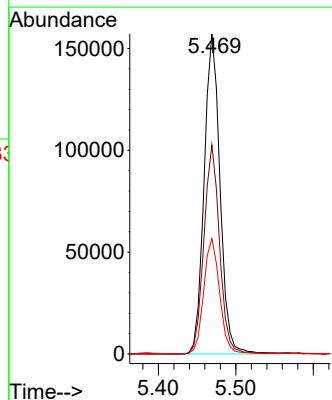
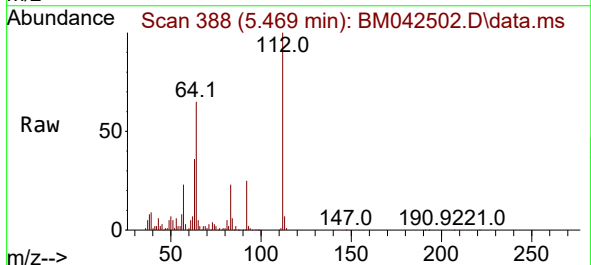
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATERRE

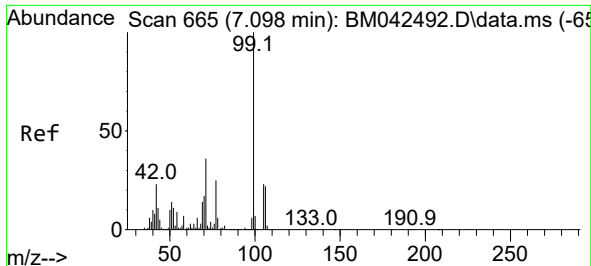
Tgt Ion:152 Resp: 95971
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.0
115 59.0 47.9 71.9



#5
2-Fluorophenol
Concen: 37.627 ng
RT: 5.469 min Scan# 388
Delta R.T. 0.006 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

Tgt Ion:112 Resp: 223751
Ion Ratio Lower Upper
112 100
64 65.3 52.1 78.1
63 36.1 28.3 42.5

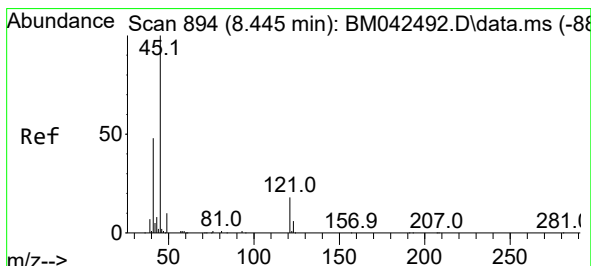
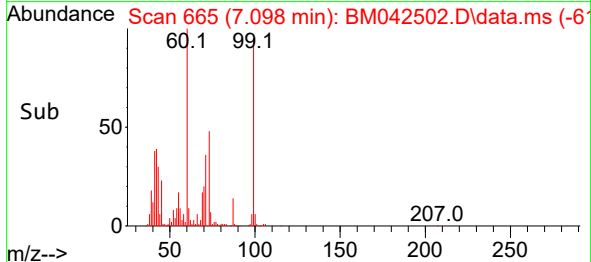
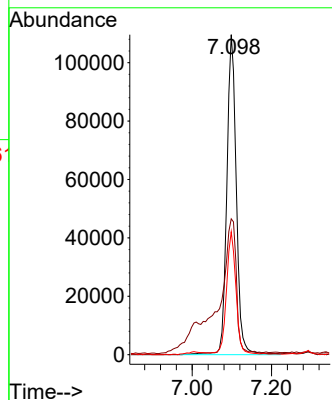
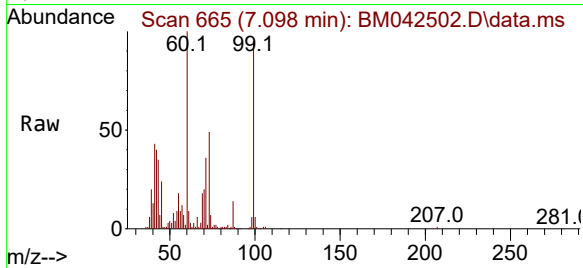




#7
Phenol-d6
Concen: 22.400 ng
RT: 7.098 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

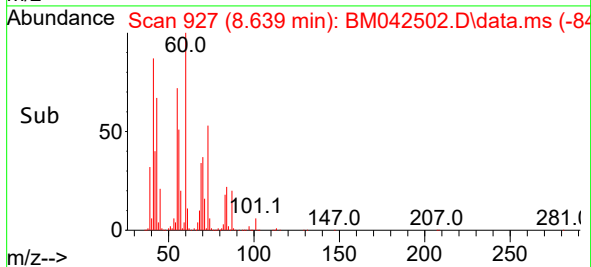
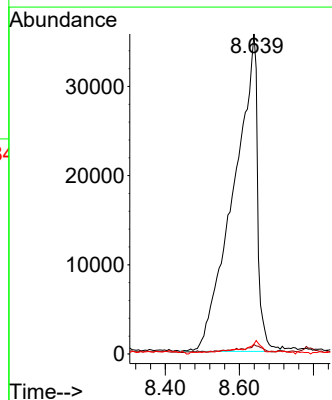
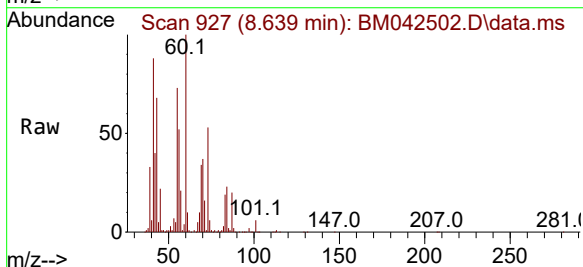
Instrument :
BNA_M
ClientSampleId :
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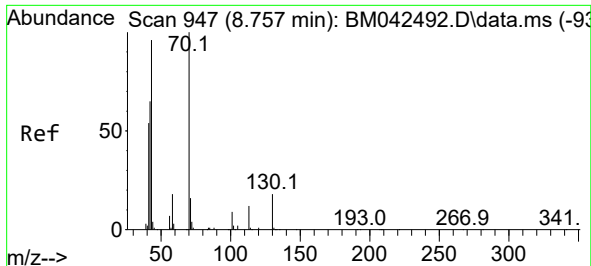
Tgt Ion: 99 Resp: 182687
Ion Ratio Lower Upper
99 100
42 42.5 18.7 28.1#
71 38.4 29.1 43.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 14.242 ng
RT: 8.639 min Scan# 927
Delta R.T. 0.194 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

Tgt Ion: 45 Resp: 158815
Ion Ratio Lower Upper
45 100
77 3.0 0.0 33.0
79 3.1 0.0 29.5

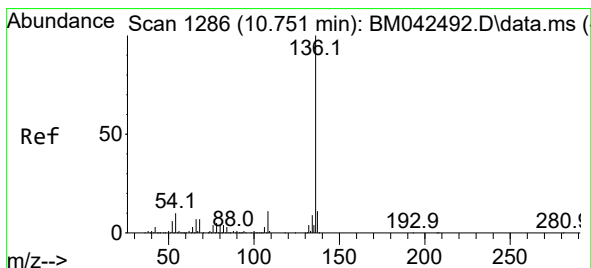
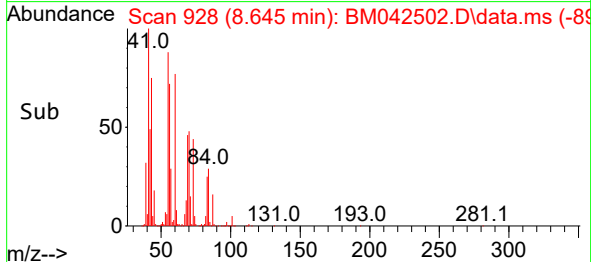
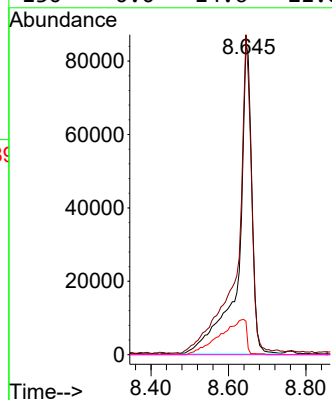
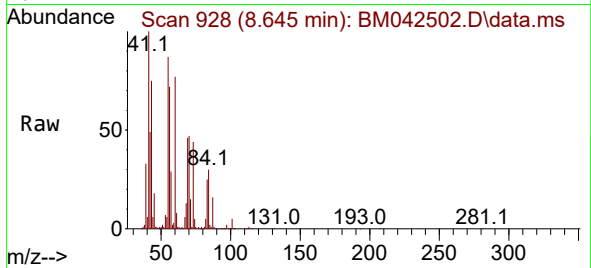




#19
n-Nitroso-di-n-propylamine
Concen: 35.570 ng
RT: 8.645 min Scan# 91
Delta R.T. -0.112 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

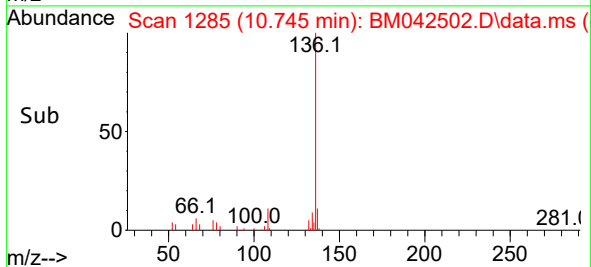
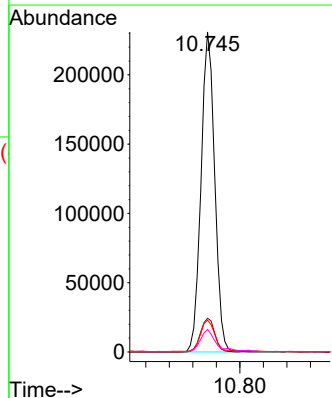
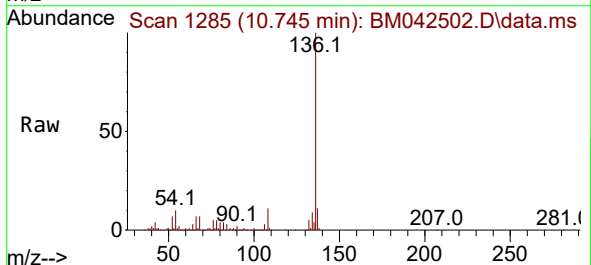
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATERRE

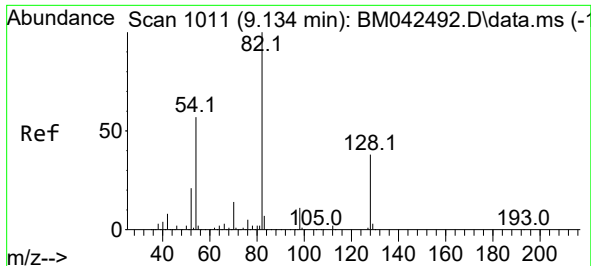
Tgt Ion: 70 Resp: 205213
Ion Ratio Lower Upper
70 100
42 102.8 52.5 78.7#
101 10.8 7.0 10.4#
130 0.0 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

Tgt Ion: 136 Resp: 373312
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.9 8.0 12.0
68 7.1 5.7 8.5





#23

Nitrobenzene-d5

Concen: 97.892 ng

RT: 9.128 min Scan# 110

Delta R.T. -0.006 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATERRE

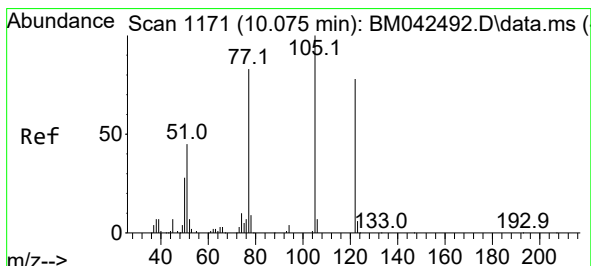
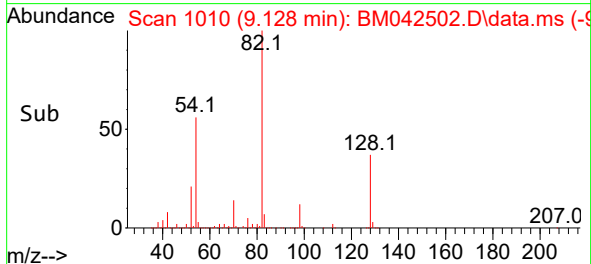
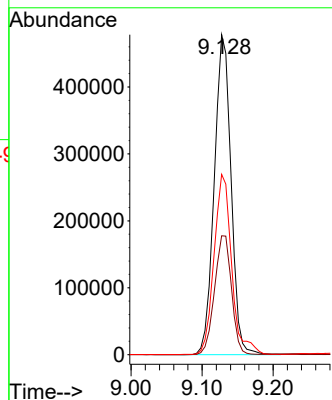
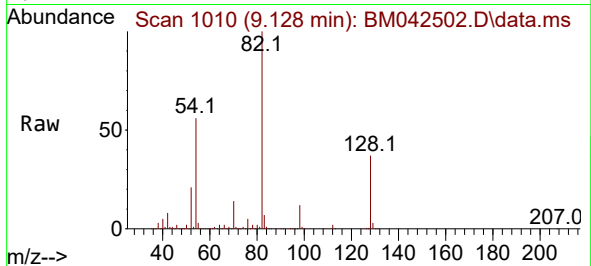
Tgt Ion: 82 Resp: 783932

Ion Ratio Lower Upper

82 100

128 37.2 30.7 46.1

54 56.3 45.3 67.9



#32

Benzoic acid

Concen: 4.122 ng

RT: 10.039 min Scan# 1165

Delta R.T. -0.036 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

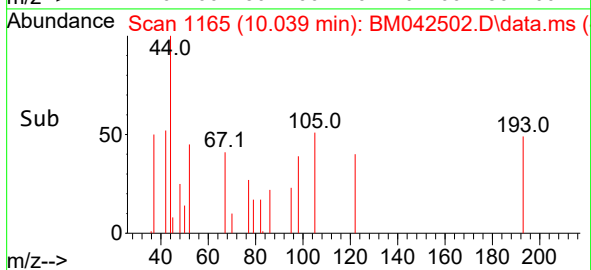
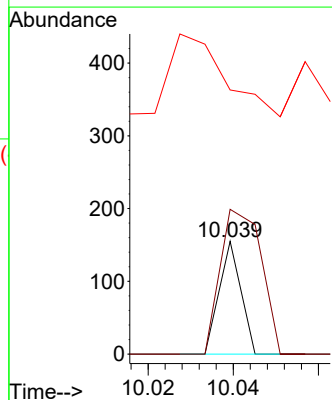
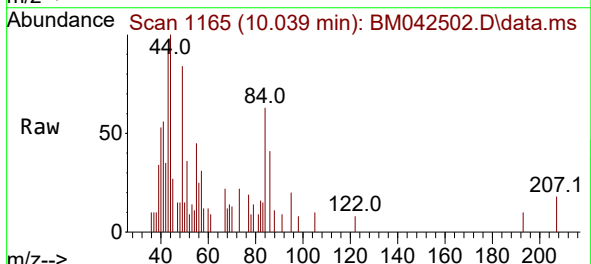
Tgt Ion:122 Resp: 55

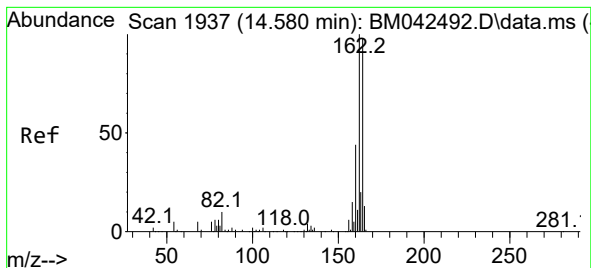
Ion Ratio Lower Upper

122 100

105 128.4 105.2 145.2

77 234.2 84.8 124.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.574 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Instrument :

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ClientSampleId :

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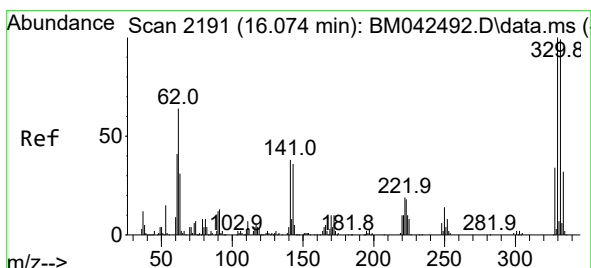
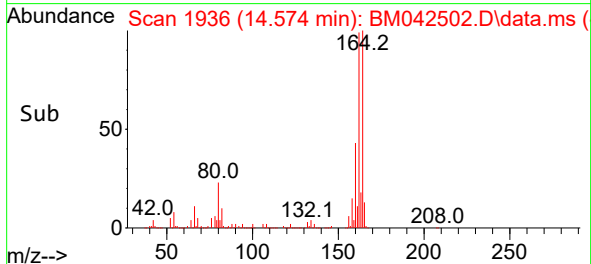
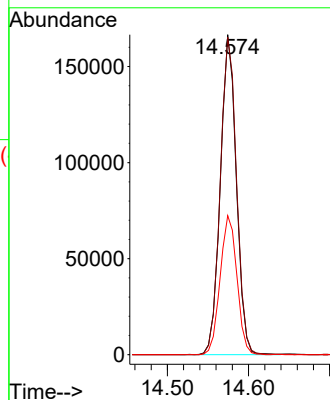
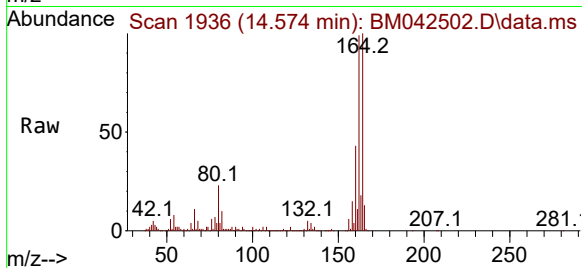
Tgt Ion:164 Resp: 228180

Ion Ratio Lower Upper

164 100

162 99.2 81.6 122.4

160 43.4 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 88.241 ng

RT: 16.074 min Scan# 2191

Delta R.T. 0.000 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

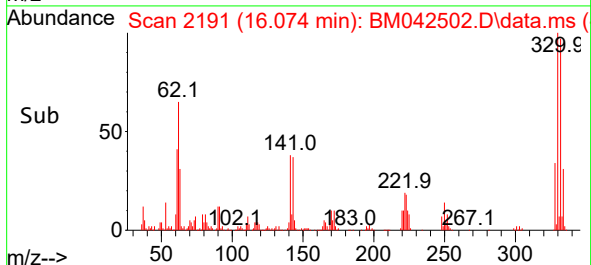
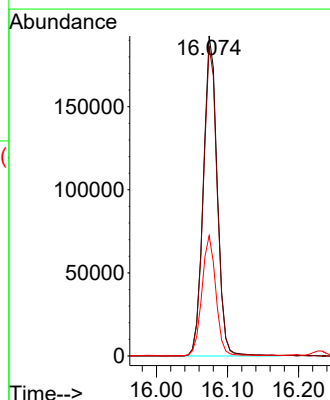
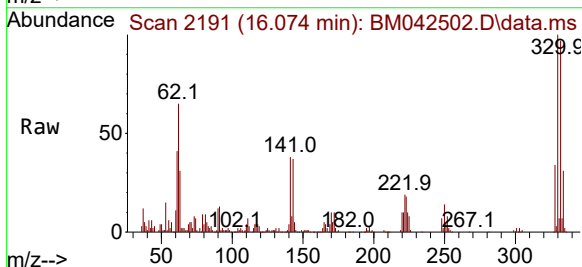
Tgt Ion:330 Resp: 262878

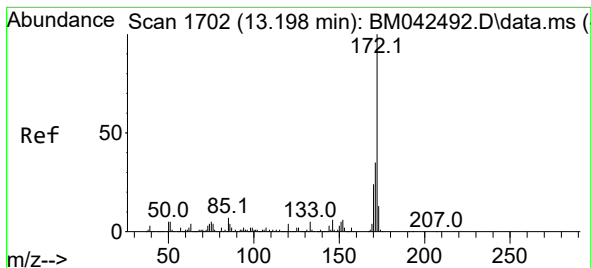
Ion Ratio Lower Upper

330 100

332 96.9 78.8 118.2

141 37.9 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 86.330 ng

RT: 13.198 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATERRE

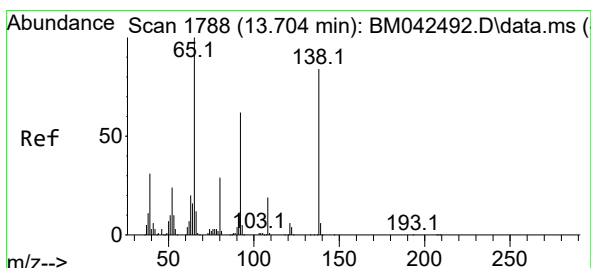
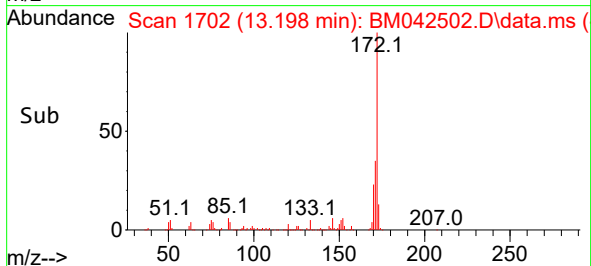
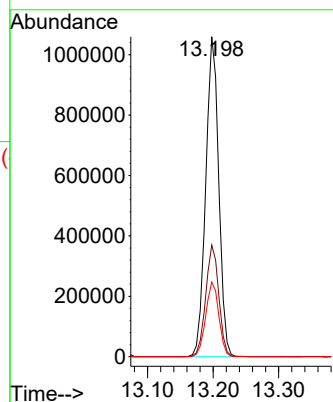
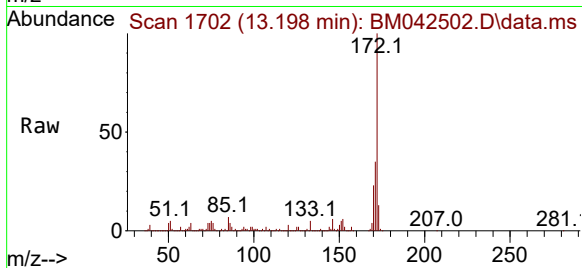
Tgt Ion:172 Resp: 1463946

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.3 19.0 28.4



#48

2-Nitroaniline

Concen: 4.438 ng

RT: 13.698 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

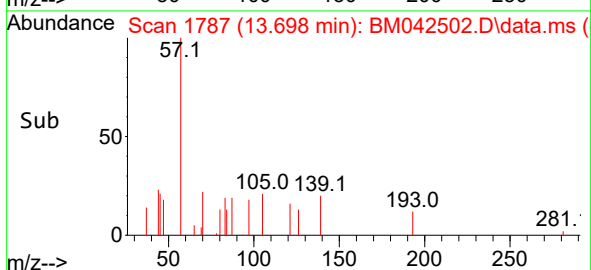
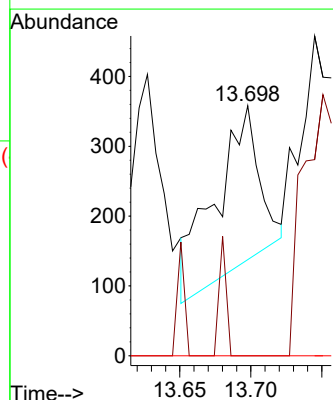
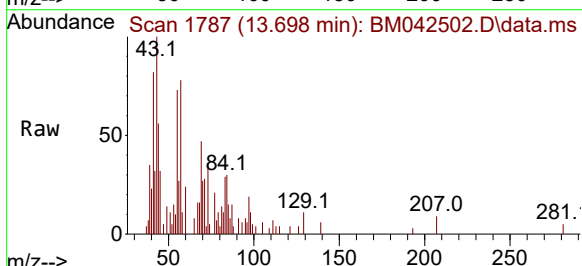
Tgt Ion: 65 Resp: 496

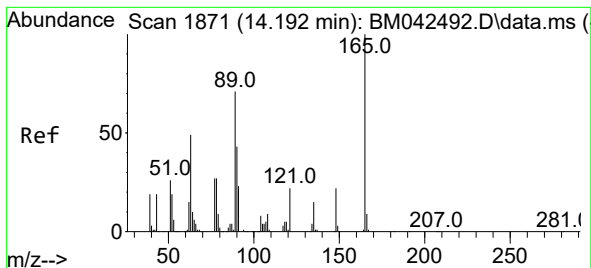
Ion Ratio Lower Upper

65 100

92 0.0 49.4 74.2#

138 0.0 66.9 100.3#

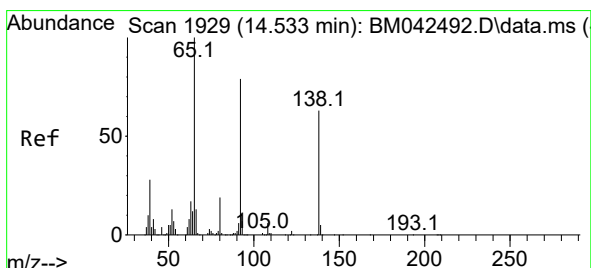
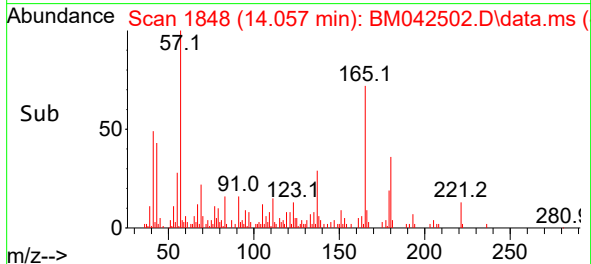
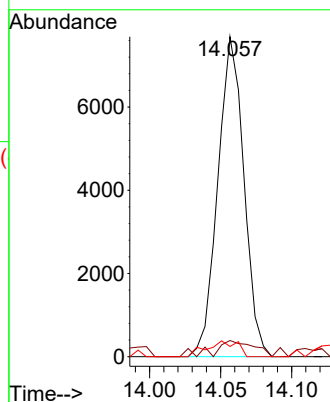
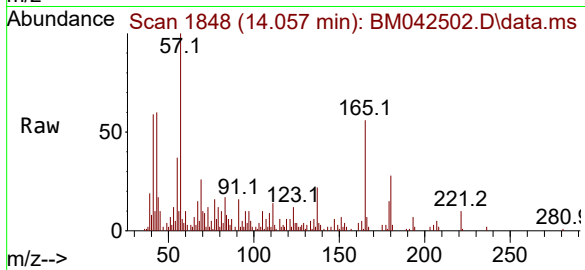




#51
2,6-Dinitrotoluene
Concen: 2.792 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.135 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

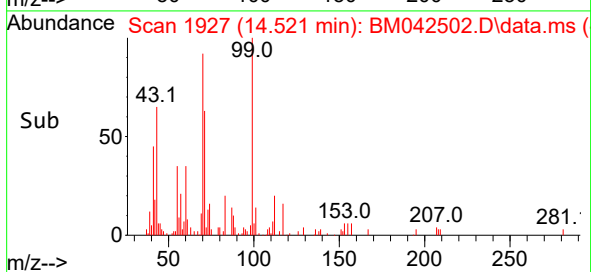
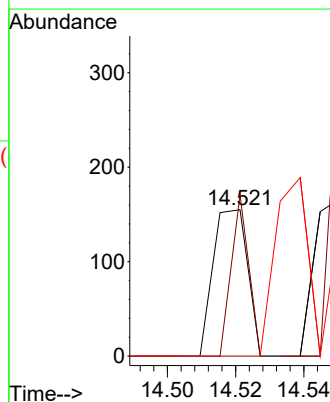
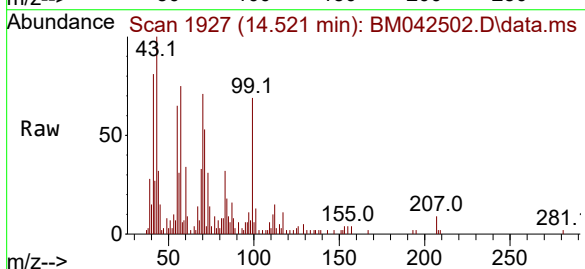
Instrument :
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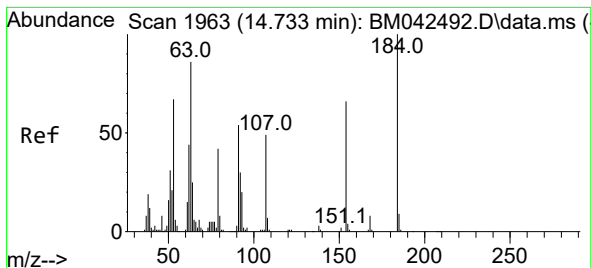
Tgt Ion:165 Resp: 9813
Ion Ratio Lower Upper
165 100
63 5.0 59.4 89.0#
89 3.2 57.0 85.6#



#53
3-Nitroaniline
Concen: 4.377 ng
RT: 14.521 min Scan# 1927
Delta R.T. -0.012 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

Tgt Ion:138 Resp: 108
Ion Ratio Lower Upper
138 100
108 110.3 7.9 11.9#
92 0.0 100.7 151.1#

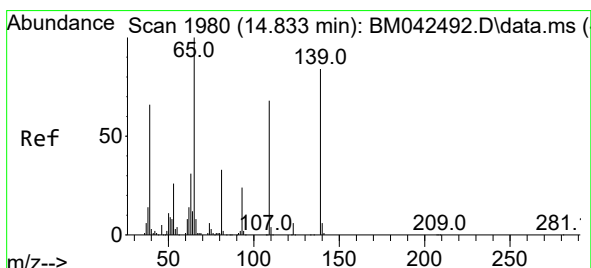
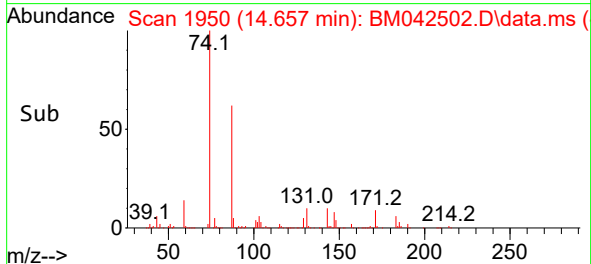
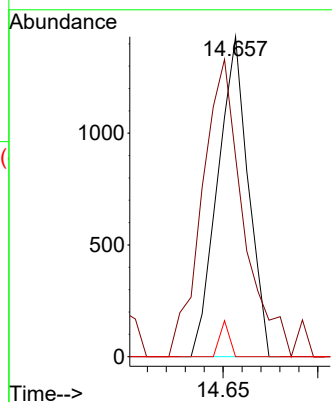
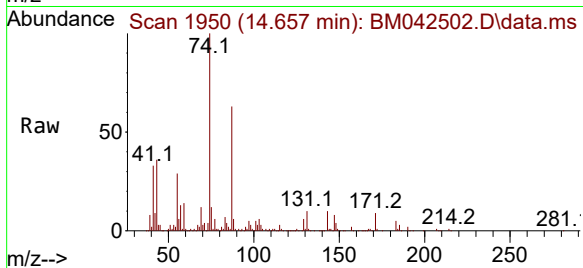




#54
2,4-Dinitrophenol
Concen: 8.328 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.076 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

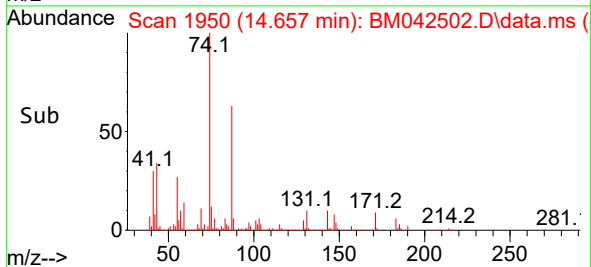
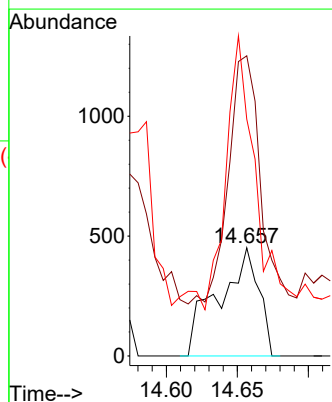
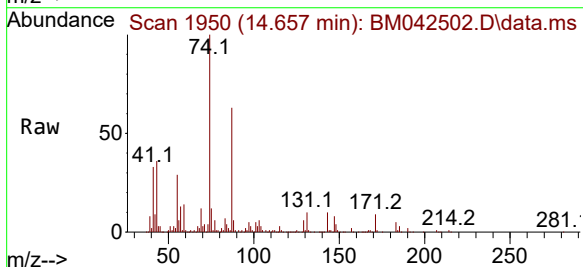
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATERRE

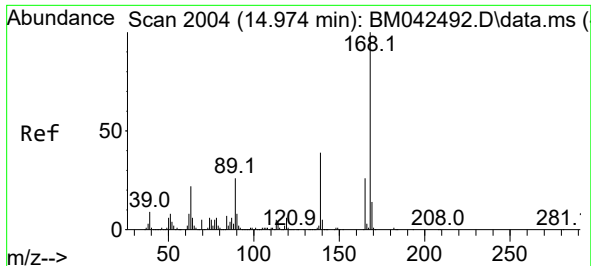
Tgt Ion:184 Resp: 1604
Ion Ratio Lower Upper
184 100
63 62.6 69.2 103.8#
154 0.0 53.2 79.8#



#56
4-Nitrophenol
Concen: 7.209 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.176 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

Tgt Ion:139 Resp: 894
Ion Ratio Lower Upper
139 100
109 277.6 61.3 101.3#
65 219.1 100.2 140.2#





#57

2,4-Dinitrotoluene

Concen: 3.982 ng

RT: 14.951 min Scan# 20

Delta R.T. -0.023 min

Lab File: BM042502.D

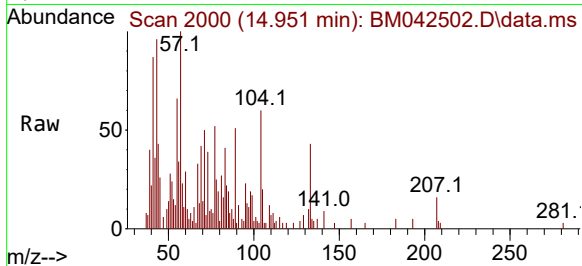
Acq: 30 Oct 2023 20:07

Instrument :

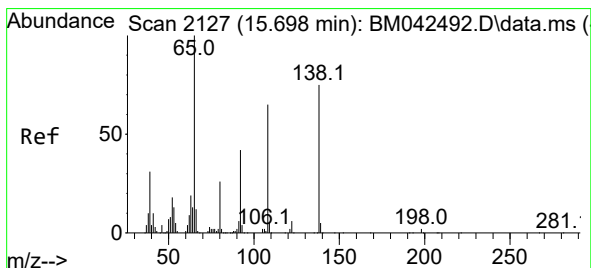
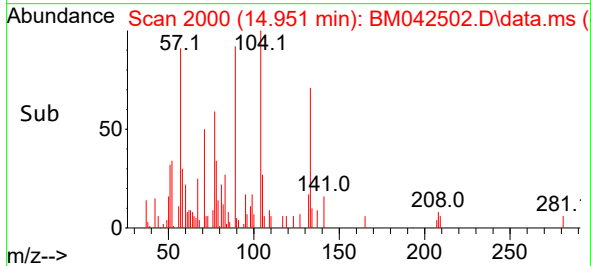
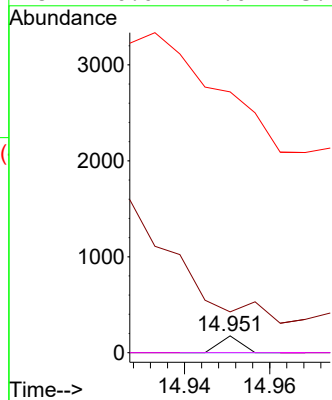
BNA_M

ClientSampleId :

EFF-WASTE-WATERRE



Tgt Ion:	165	Resp:	62
Ion	Ratio	Lower	Upper
165	100		
63	243.4	66.7	100.1#
89	1553.7	80.2	120.4#
182	0.0	2.0	3.0#



#62

4-Nitroaniline

Concen: 5.764 ng

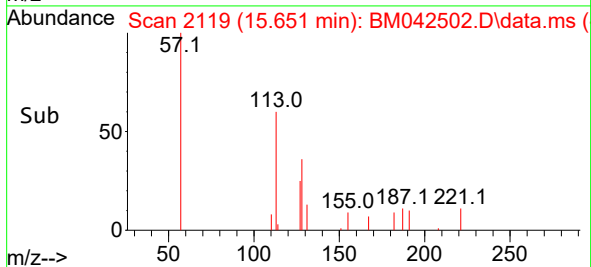
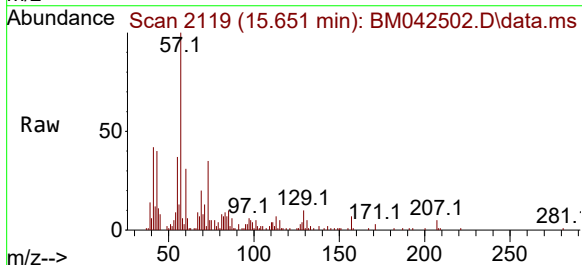
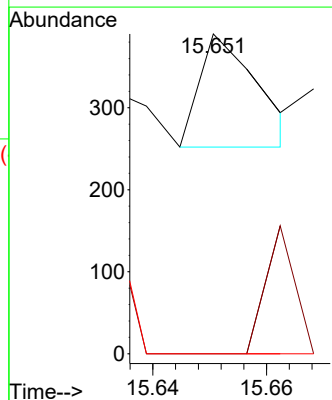
RT: 15.651 min Scan# 2119

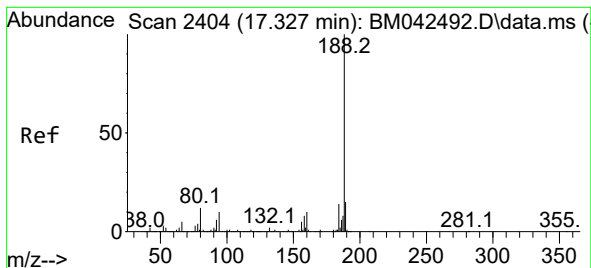
Delta R.T. -0.047 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Tgt Ion:	138	Resp:	97
Ion	Ratio	Lower	Upper
138	100		
92	0.0	37.0	77.0#
108	0.0	67.2	107.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.333 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATERRE

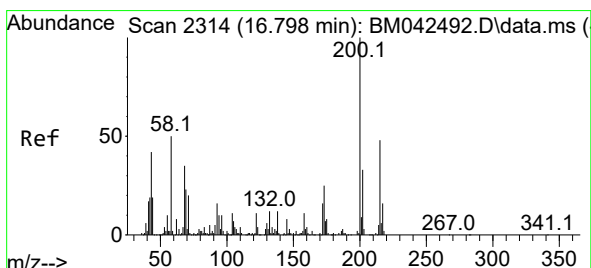
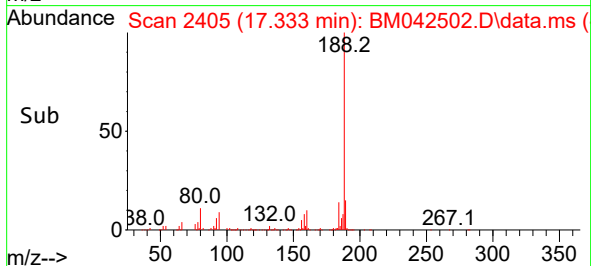
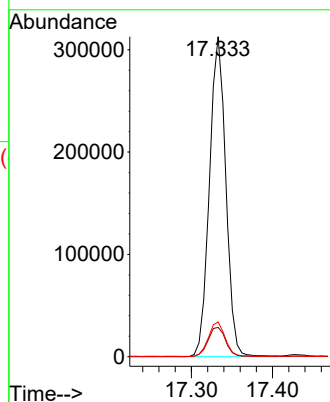
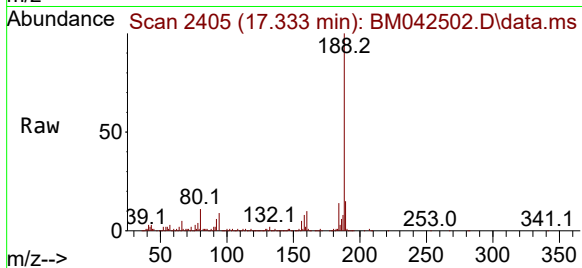
Tgt Ion:188 Resp: 437645

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.4

80 10.9 9.4 14.2



#69

Atrazine

Concen: 17.846 ng

RT: 16.827 min Scan# 2319

Delta R.T. 0.029 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

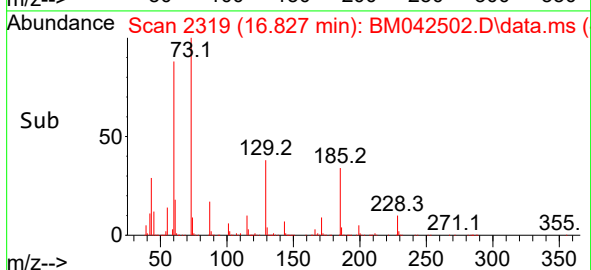
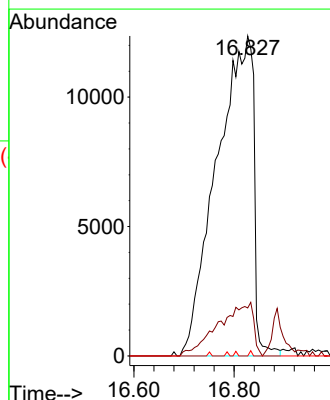
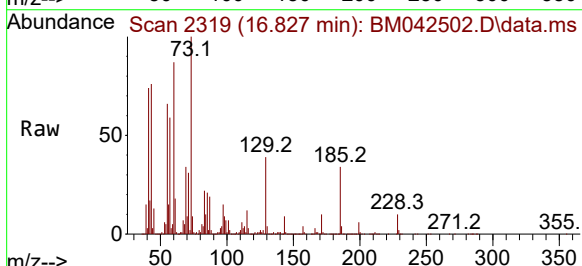
Tgt Ion:200 Resp: 63634

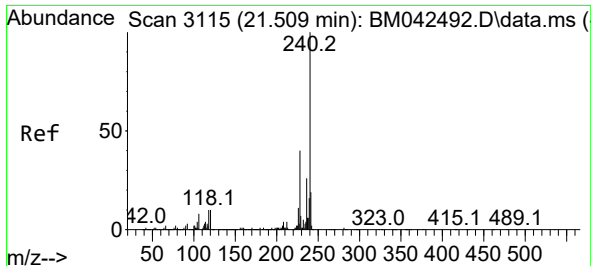
Ion Ratio Lower Upper

200 100

173 15.0 5.4 45.4

215 0.0 27.9 67.9#

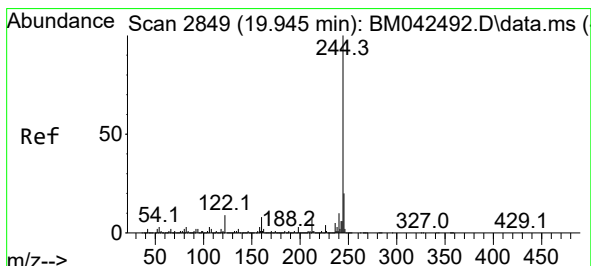
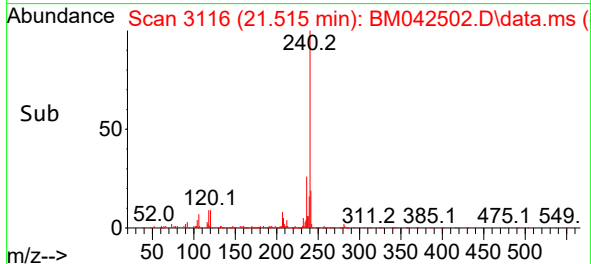
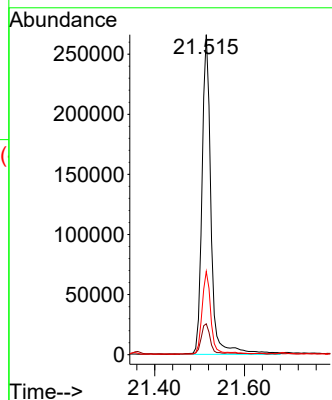
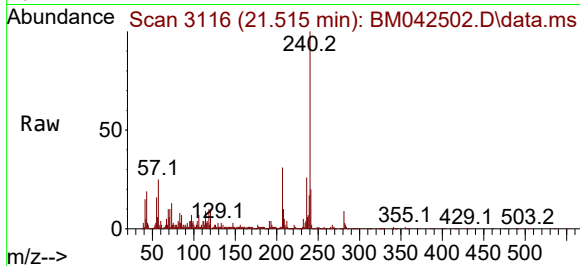




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

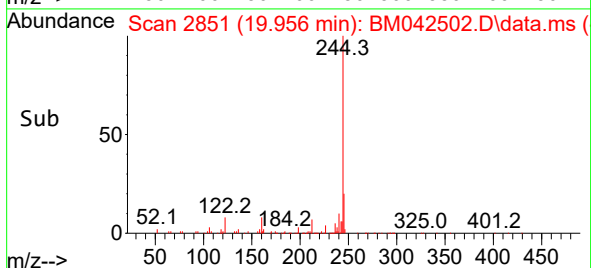
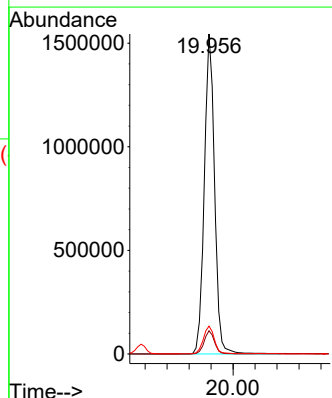
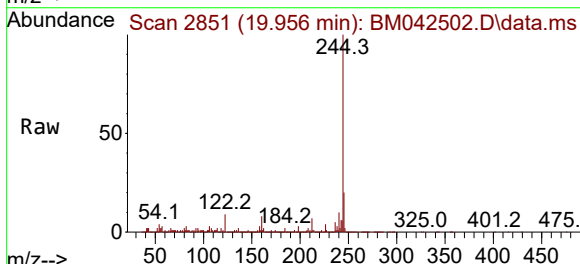
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATERRE

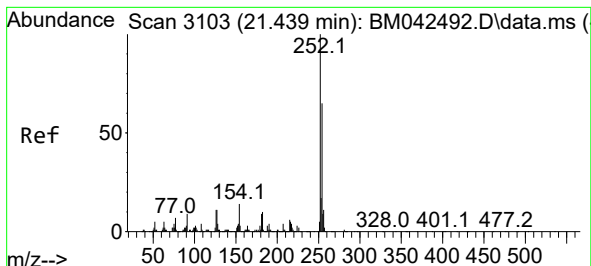
Tgt Ion:240 Resp: 370089
Ion Ratio Lower Upper
240 100
120 9.6 8.3 12.5
236 26.0 20.8 31.2



#79
Terphenyl-d14
Concen: 91.703 ng
RT: 19.956 min Scan# 2851
Delta R.T. 0.012 min
Lab File: BM042502.D
Acq: 30 Oct 2023 20:07

Tgt Ion:244 Resp: 2001550
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 8.7 7.2 10.8





#82

3,3'-Dichlorobenzidine

Concen: 7.969 ng

RT: 21.197 min Scan# 3062

Delta R.T. -0.241 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATERRE

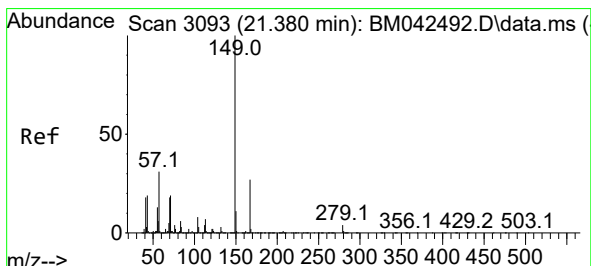
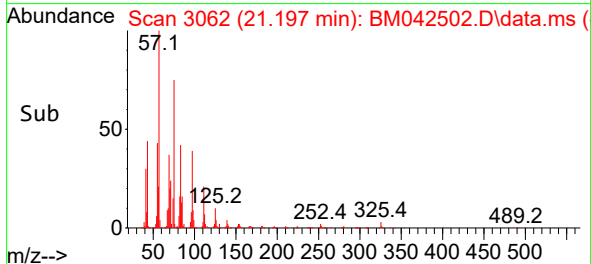
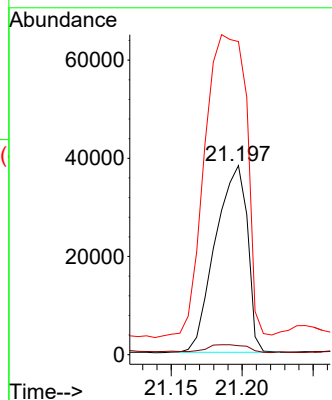
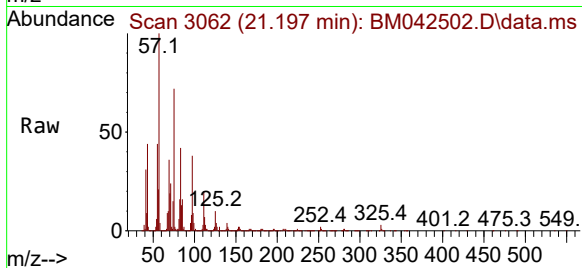
Tgt Ion:252 Resp: 59638

Ion Ratio Lower Upper

252 100

254 4.8 52.2 78.4#

126 165.5 8.9 13.3#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.394 ng

RT: 21.380 min Scan# 3093

Delta R.T. -0.000 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

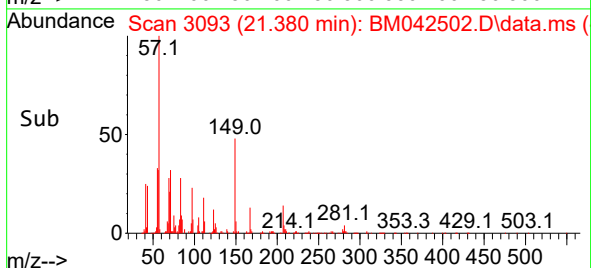
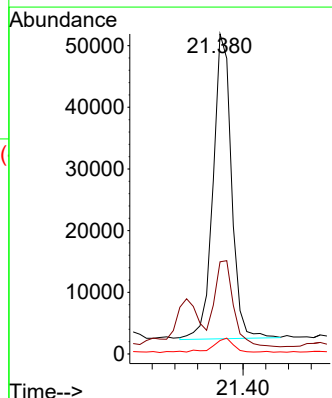
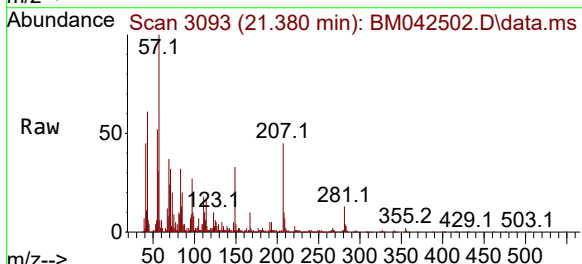
Tgt Ion:149 Resp: 55672

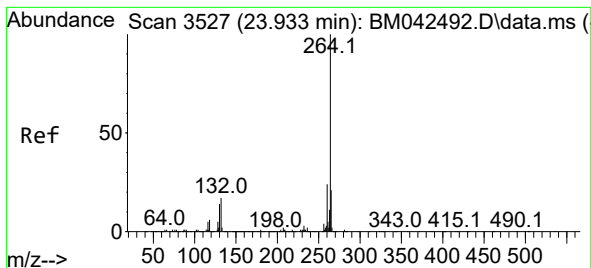
Ion Ratio Lower Upper

149 100

167 28.8 21.4 32.0

279 4.2 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.932 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATERRE

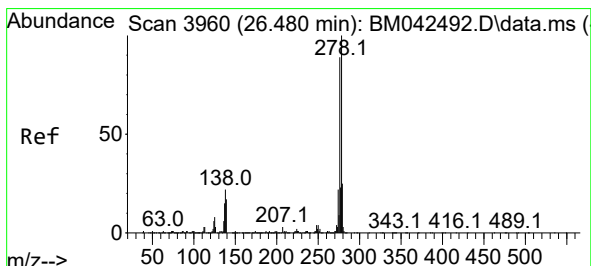
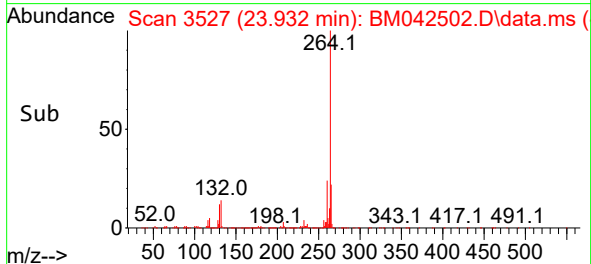
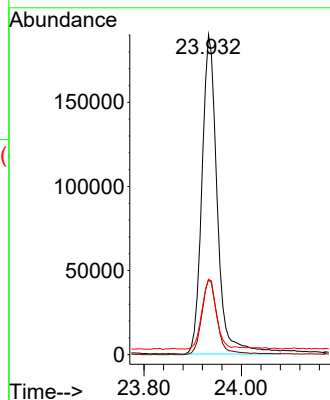
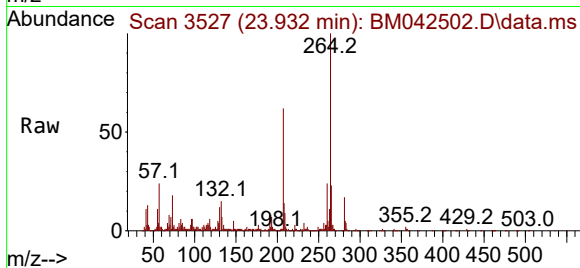
Tgt Ion:264 Resp: 415816

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 23.4 18.7 28.1



#91

Dibenzo(a,h)anthracene

Concen: 4.148 ng

RT: 26.479 min Scan# 3960

Delta R.T. -0.001 min

Lab File: BM042502.D

Acq: 30 Oct 2023 20:07

Tgt Ion:278 Resp: 262

Ion Ratio Lower Upper

278 100

139 682.7 13.4 20.2#

279 205.0 19.7 29.5#

