

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102723\
 Data File : BM042486.D
 Acq On : 27 Oct 2023 23:27
 Operator : MA/JU
 Sample : 04958-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: Oct 28 00:30:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 28 00:26:13 2023
 Response via : Initial Calibration

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

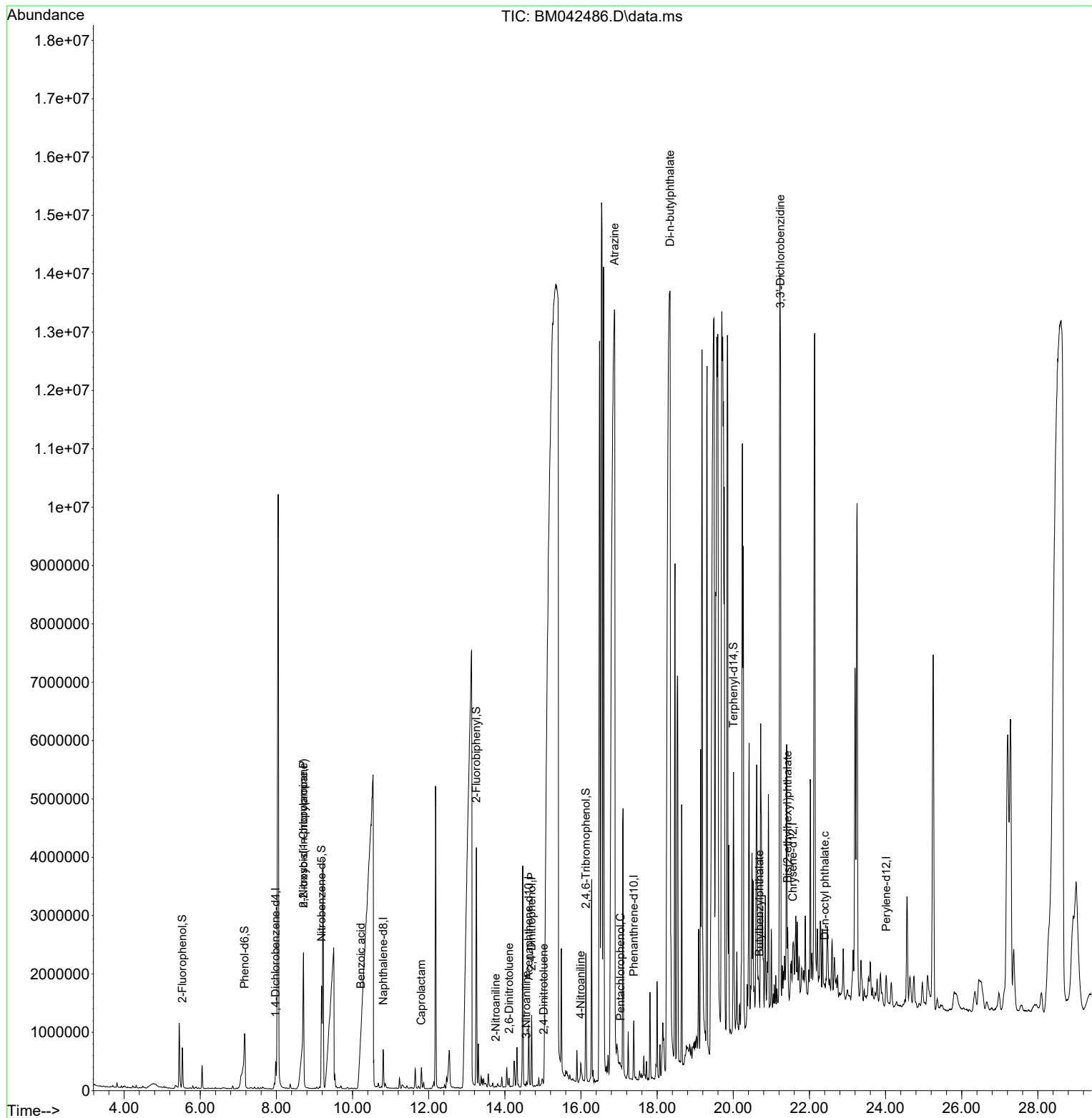
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	121296	20.000	ng	0.00
21) Naphthalene-d8	10.804	136	530250	20.000	ng	0.00
39) Acenaphthene-d10	14.627	164	329114	20.000	ng	0.00
64) Phenanthrene-d10	17.386	188	603804	20.000	ng	0.00
76) Chrysene-d12	21.562	240	436962	20.000	ng	0.00
86) Perylene-d12	24.015	264	464826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	277520	32.336	ng	0.00
7) Phenol-d6	7.163	99	233028	20.261	ng	0.00
23) Nitrobenzene-d5	9.187	82	998799	83.294	ng	0.00
42) 2,4,6-Tribromophenol	16.127	330	349735	98.625	ng	0.00
45) 2-Fluorobiphenyl	13.251	172	1951097	79.832	ng	0.00
79) Terphenyl-d14	20.003	244	2516172	102.124	ng	0.01
Target Compounds						
						Qvalue
16) 2,2'-oxybis(1-Chloropr...	8.710	45	194500	12.598	ng	80
19) n-Nitroso-di-n-propyla...	8.710	70	288964	37.069	ng	# 62
32) Benzoic acid	10.216	122	139	5.344	ng	# 1
35) Caprolactam	11.804	113	1206	6.299	ng	# 1
48) 2-Nitroaniline	13.763	65	463	3.690	ng	# 35
51) 2,6-Dinitrotoluene	14.110	165	14682	5.419	ng	# 15
53) 3-Nitroaniline	14.563	138	301	3.309	ng	# 67
54) 2,4-Dinitrophenol	14.704	184	2143	8.738	ng	# 68
57) 2,4-Dinitrotoluene	15.021	165	407	4.115	ng	# 1
62) 4-Nitroaniline	15.992	138	95	3.815	ng	77
69) Atrazine	16.880	200	73626	15.964	ng	# 46
70) Pentachlorophenol	17.039	266	1060	6.183	ng	91
74) Di-n-butylphthalate	18.339	149	34730	3.663	ng	# 74
80) Butylbenzylphthalate	20.686	149	2701	3.440	ng	# 81
82) 3,3'-Dichlorobenzidine	21.239	252	61885	7.077	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.427	149	45296	5.509	ng	# 89
85) Di-n-octyl phthalate	22.403	149	4719	4.346	ng	# 59

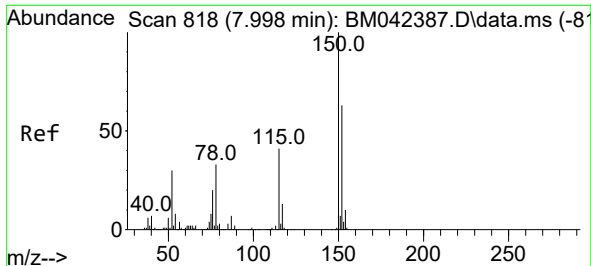
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102723\
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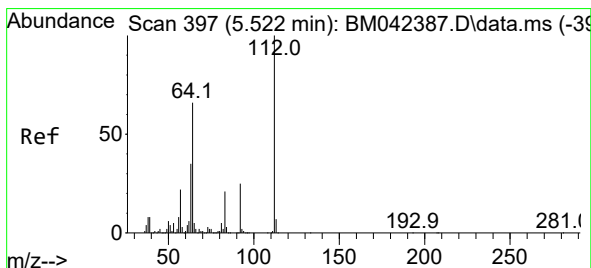
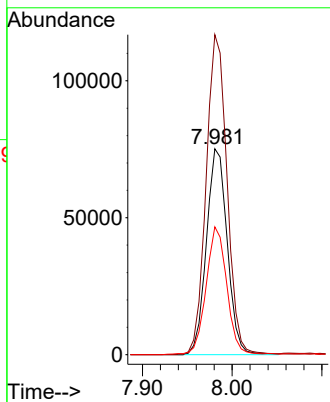
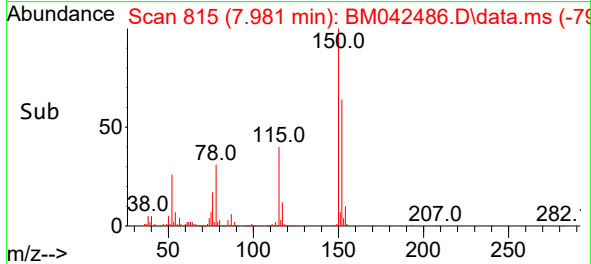
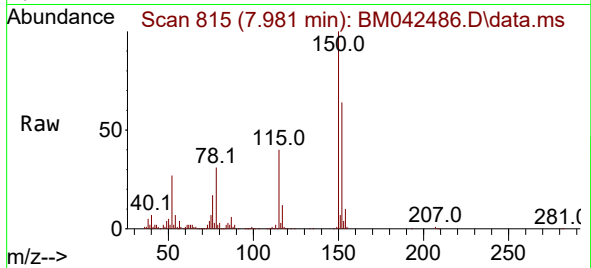




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.981 min Scan# 818
 Delta R.T. -0.006 min
 Lab File: BM042486.D
 Acq: 27 Oct 2023 23:27

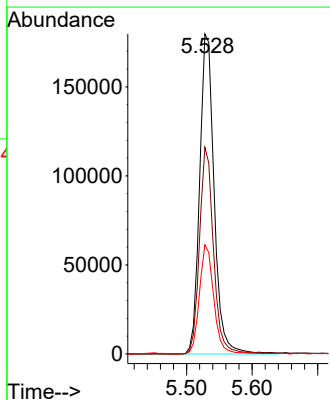
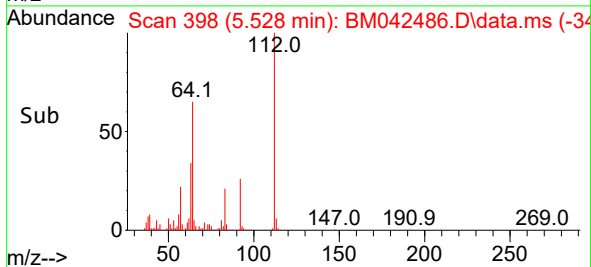
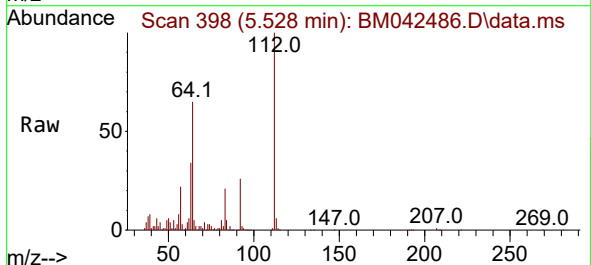
Instrument :
 BNA_M
 ClientSampleId :
 EFF-WASTE-WATER

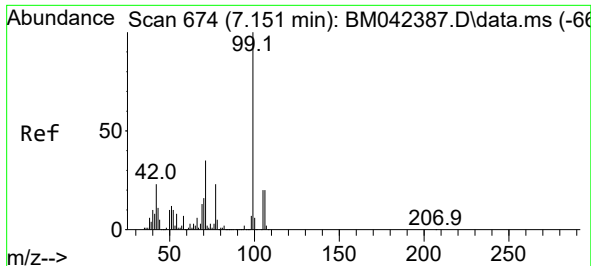
Tgt Ion:152 Resp: 121296
 Ion Ratio Lower Upper
 152 100
 150 155.4 126.2 189.4
 115 62.1 51.9 77.9



#5
 2-Fluorophenol
 Concen: 32.336 ng
 RT: 5.528 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: BM042486.D
 Acq: 27 Oct 2023 23:27

Tgt Ion:112 Resp: 277520
 Ion Ratio Lower Upper
 112 100
 64 64.6 52.7 79.1
 63 34.1 28.3 42.5

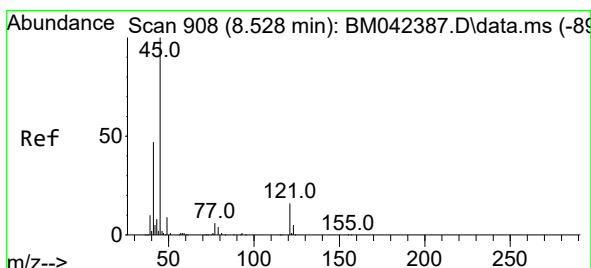
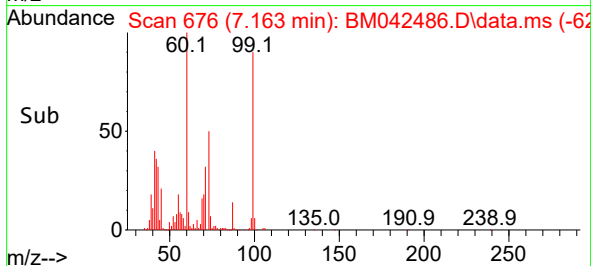
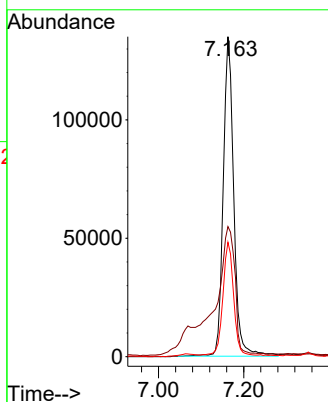
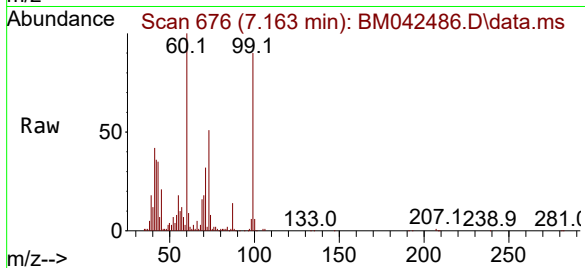




#7
Phenol-d6
Concen: 20.261 ng
RT: 7.163 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

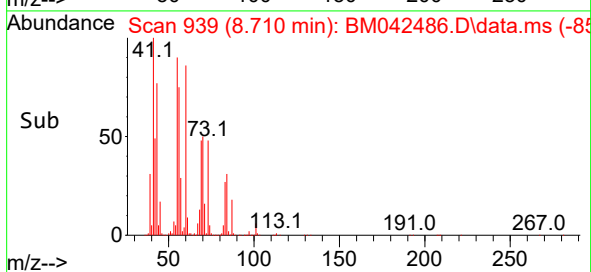
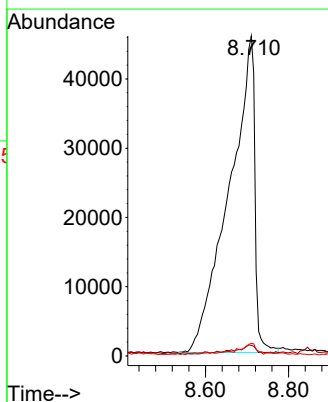
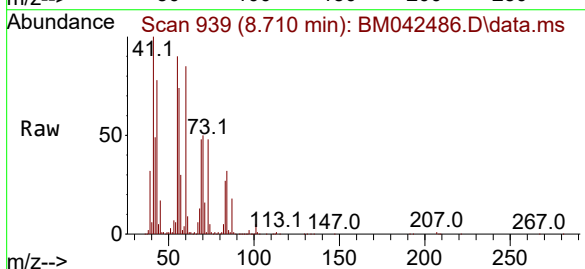
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATER

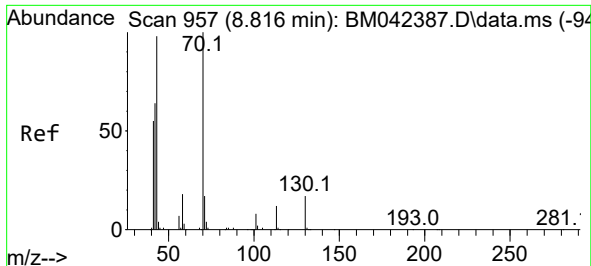
Tgt Ion: 99 Resp: 233028
Ion Ratio Lower Upper
99 100
42 40.7 18.5 27.7#
71 35.8 27.7 41.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.598 ng
RT: 8.710 min Scan# 939
Delta R.T. 0.188 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Tgt Ion: 45 Resp: 194500
Ion Ratio Lower Upper
45 100
77 3.3 0.0 32.2
79 4.0 0.0 30.4

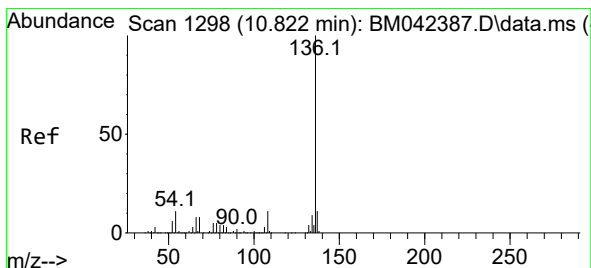
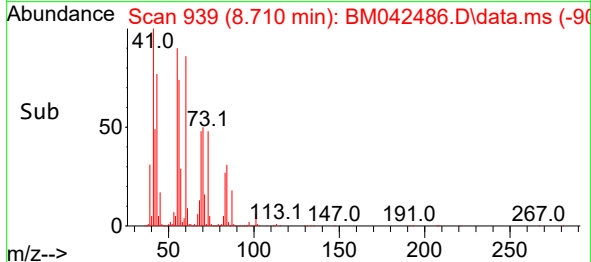
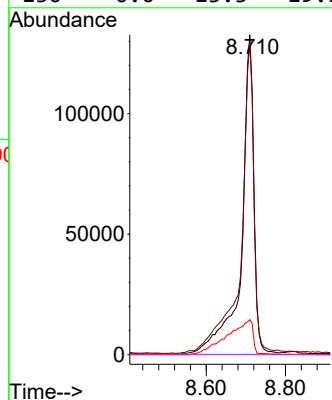
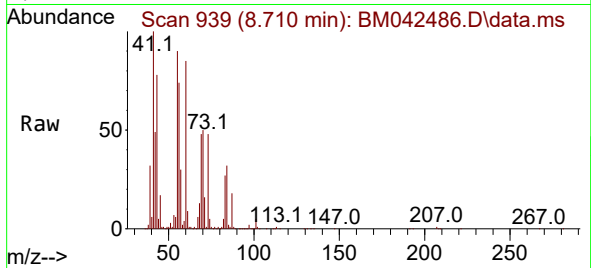




#19
n-Nitroso-di-n-propylamine
Concen: 37.069 ng
RT: 8.710 min Scan# 911
Delta R.T. -0.118 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

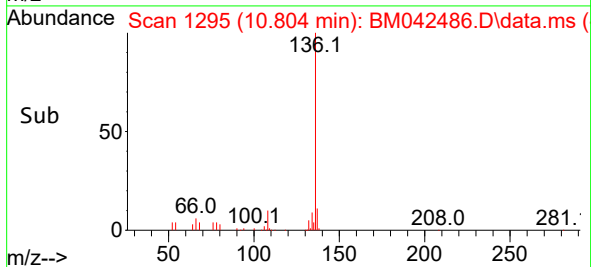
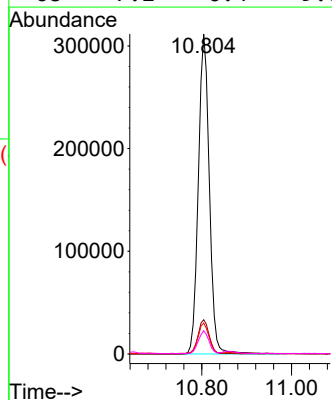
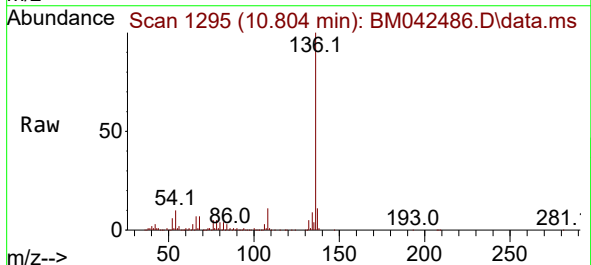
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATER

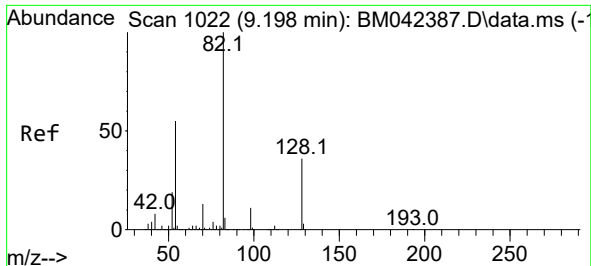
Tgt Ion: 70 Resp: 288964
Ion Ratio Lower Upper
70 100
42 97.4 52.1 78.1#
101 10.9 6.5 9.7#
130 0.0 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.804 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Tgt Ion:136 Resp: 530250
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 9.6 8.6 12.8
68 7.2 6.4 9.6





#23

Nitrobenzene-d5

Concen: 83.294 ng

RT: 9.187 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER

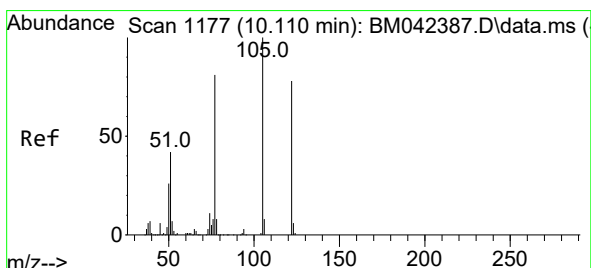
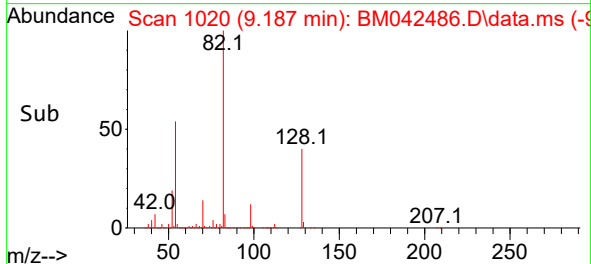
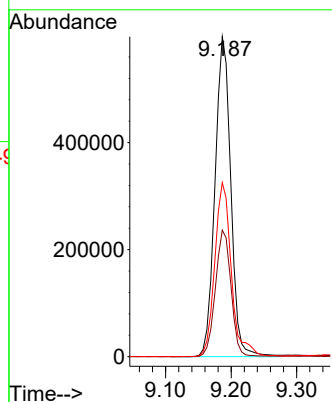
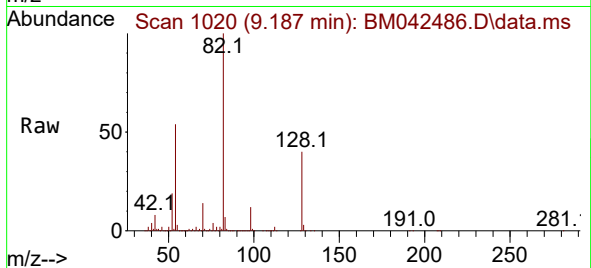
Tgt Ion: 82 Resp: 998799

Ion Ratio Lower Upper

82 100

128 39.5 29.0 43.6

54 54.4 43.7 65.5



#32

Benzoic acid

Concen: 5.344 ng

RT: 10.216 min Scan# 1195

Delta R.T. 0.041 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

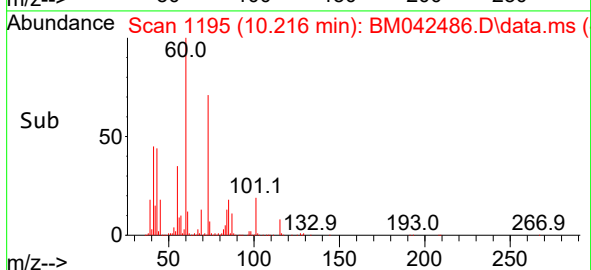
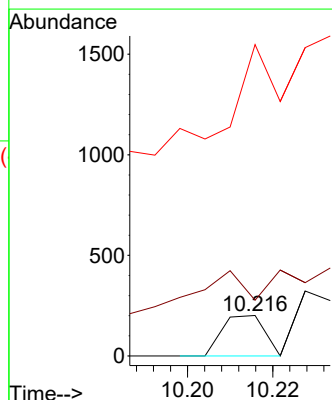
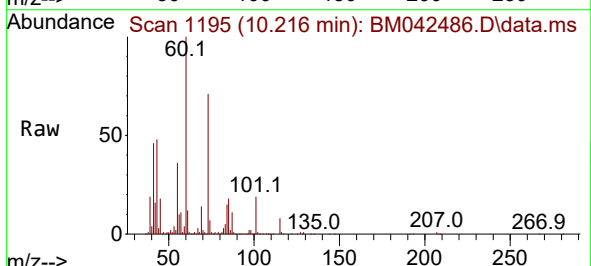
Tgt Ion:122 Resp: 139

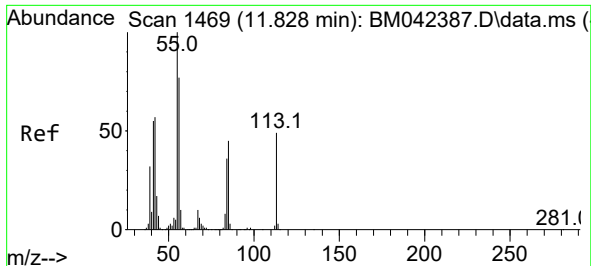
Ion Ratio Lower Upper

122 100

105 137.8 104.9 144.9

77 770.1 83.4 123.4#

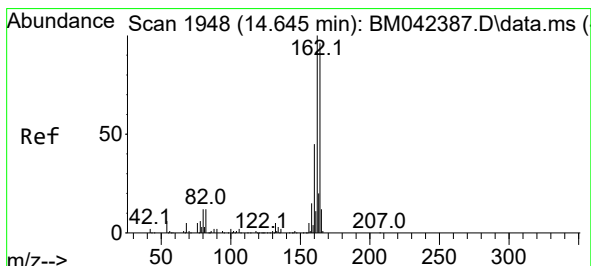
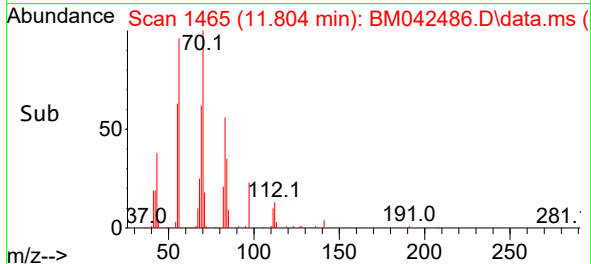
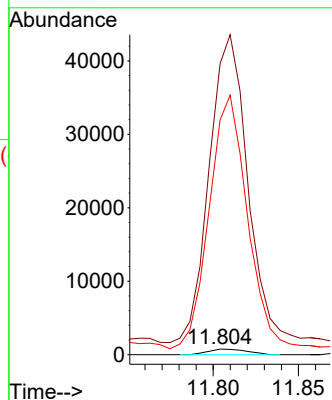
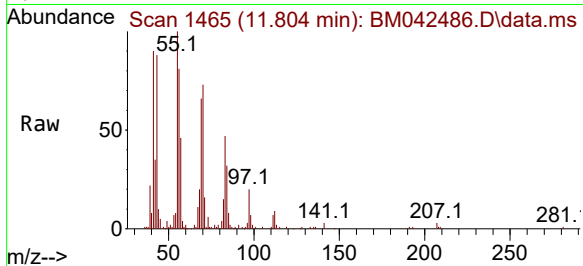




#35
Caprolactam
Concen: 6.299 ng
RT: 11.804 min Scan# 1465
Delta R.T. -0.141 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

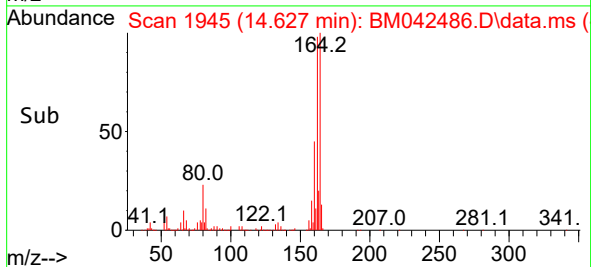
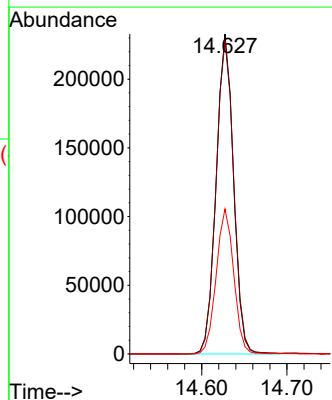
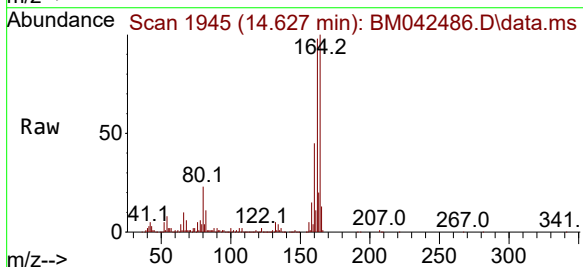
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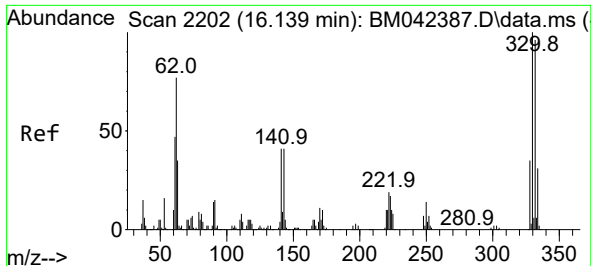
Tgt Ion:113 Resp: 1206
Ion Ratio Lower Upper
113 100
55 5153.1 185.6 225.6#
56 4157.3 137.8 177.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Tgt Ion:164 Resp: 329114
Ion Ratio Lower Upper
164 100
162 97.9 83.0 124.4
160 45.3 37.0 55.4

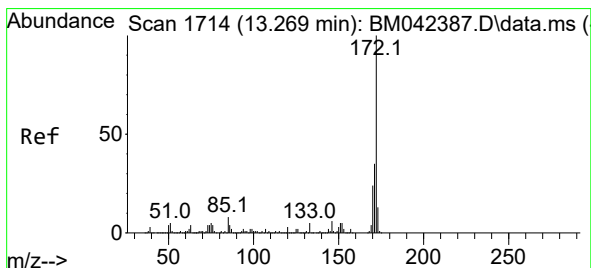
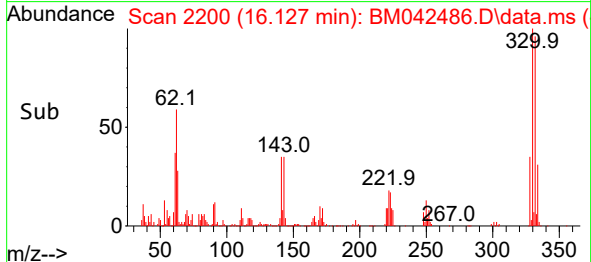
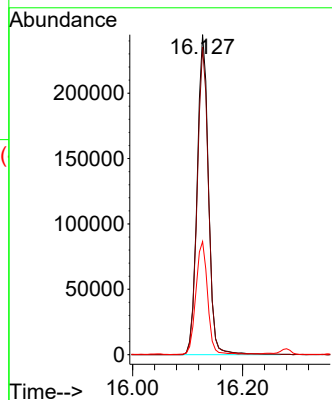
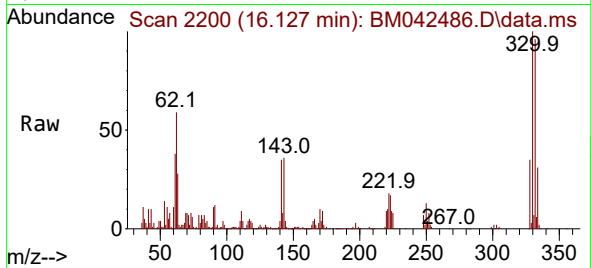




#42
2,4,6-Tribromophenol
Concen: 98.625 ng
RT: 16.127 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

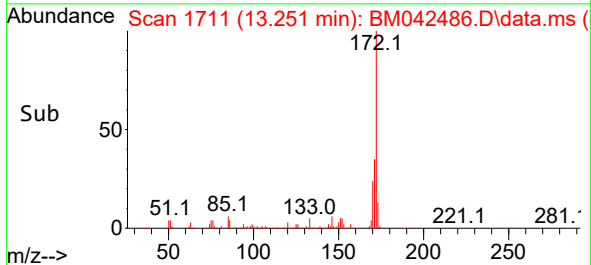
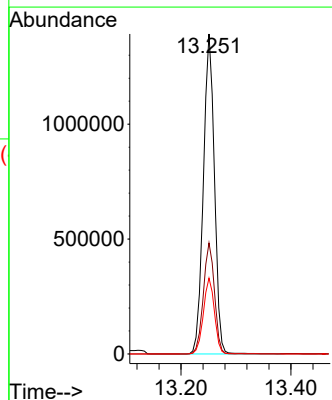
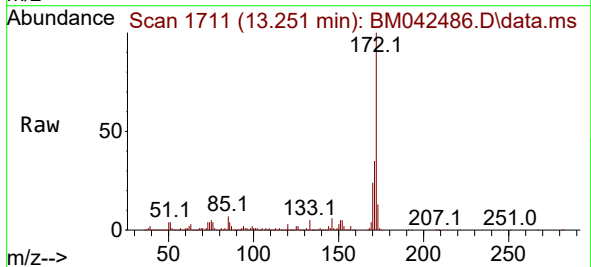
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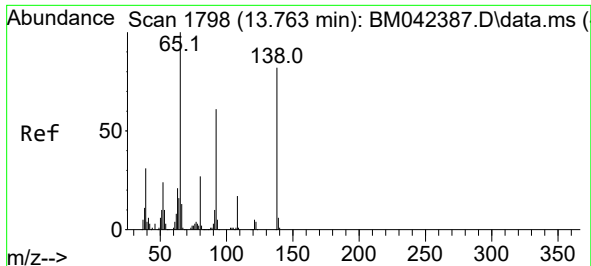
Tgt Ion:330 Resp: 349735
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 36.3 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 79.832 ng
RT: 13.251 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Tgt Ion:172 Resp: 1951097
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.7 18.9 28.3

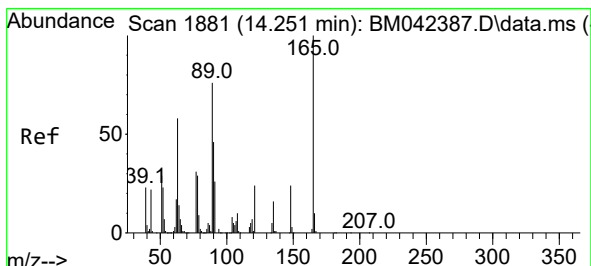
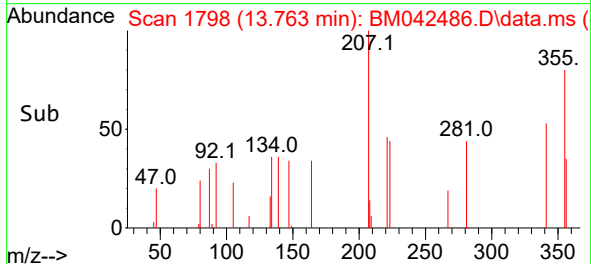
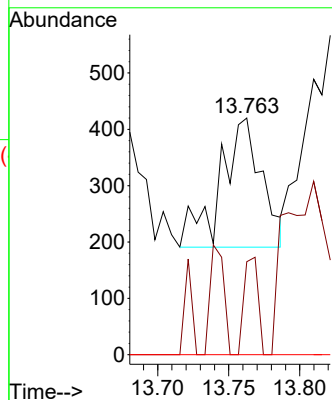
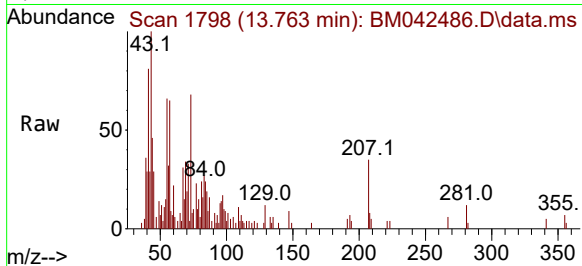




#48
2-Nitroaniline
Concen: 3.690 ng
RT: 13.763 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

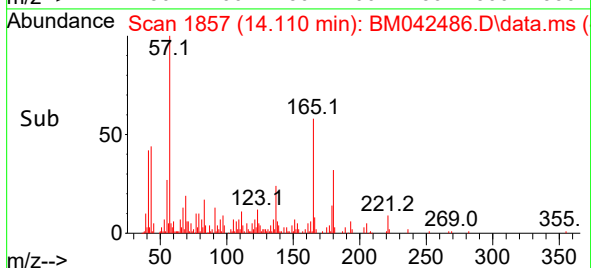
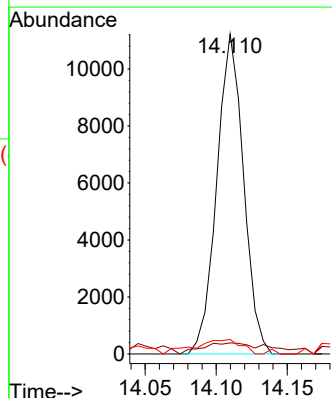
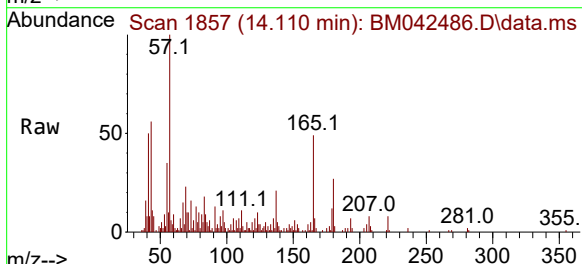
Instrument :
BNA_M
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EFF-WASTE-WATER

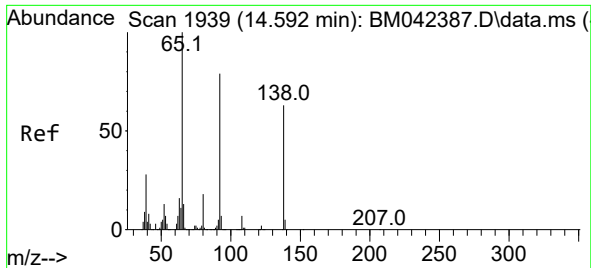
Tgt Ion: 65 Resp: 463
Ion Ratio Lower Upper
65 100
92 39.3 49.0 73.6#
138 0.0 65.5 98.3#



#51
2,6-Dinitrotoluene
Concen: 5.419 ng
RT: 14.110 min Scan# 1857
Delta R.T. -0.141 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Tgt Ion:165 Resp: 14682
Ion Ratio Lower Upper
165 100
63 3.5 65.3 97.9#
89 4.5 60.6 91.0#

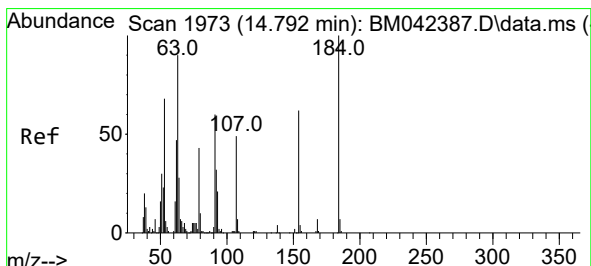
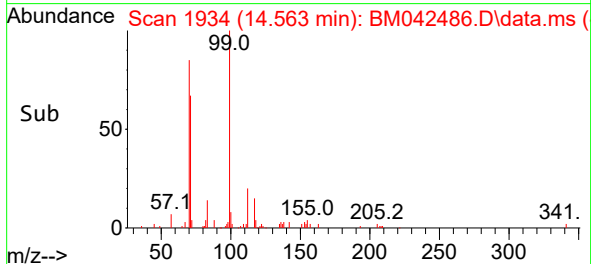
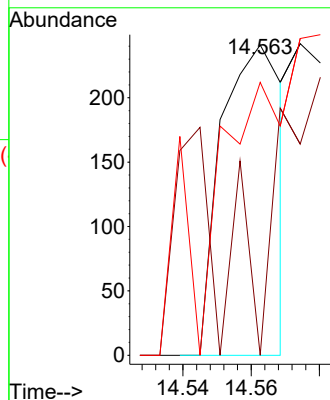
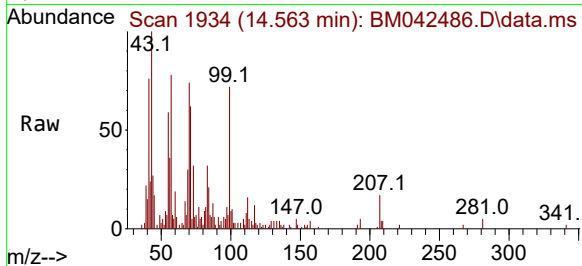




#53
3-Nitroaniline
Concen: 3.309 ng
RT: 14.563 min Scan# 1939
Delta R.T. -0.030 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

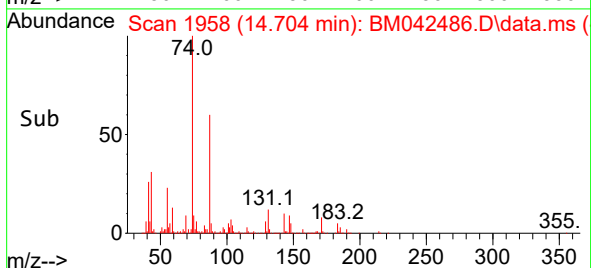
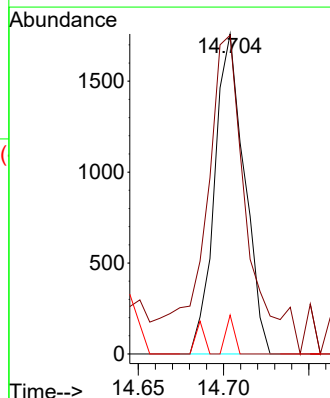
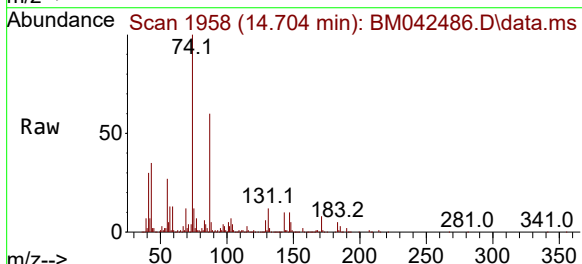
Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATER

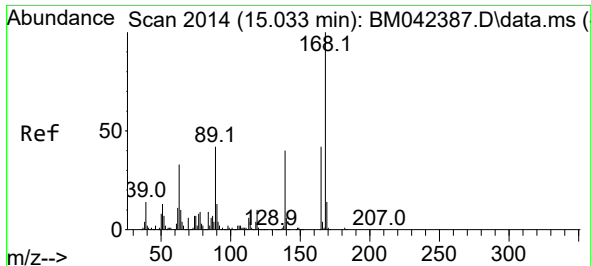
Tgt Ion:138 Resp: 301
Ion Ratio Lower Upper
138 100
108 0.0 8.3 12.5#
92 88.0 100.6 151.0#



#54
2,4-Dinitrophenol
Concen: 8.738 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.088 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Tgt Ion:184 Resp: 2143
Ion Ratio Lower Upper
184 100
63 99.6 72.2 108.2
154 12.2 49.6 74.4#





#57

2,4-Dinitrotoluene

Concen: 4.115 ng

RT: 15.021 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM042486.D

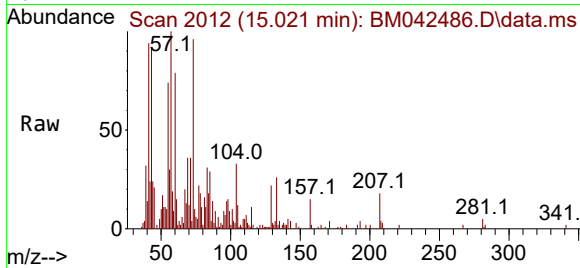
Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER



Tgt Ion:165 Resp: 407

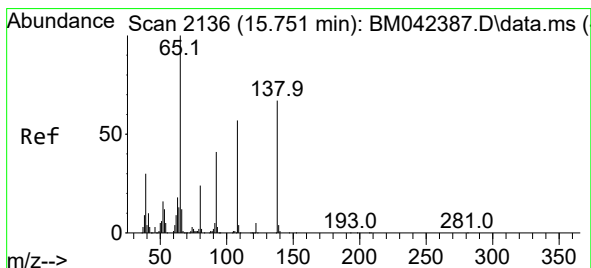
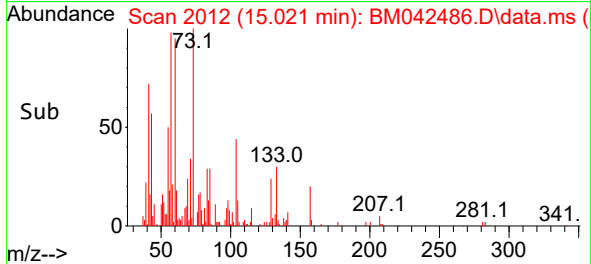
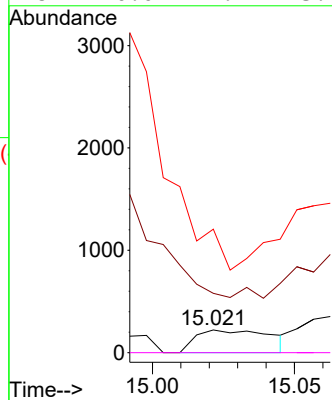
Ion Ratio Lower Upper

165 100

63 261.3 62.9 94.3#

89 543.2 80.2 120.2#

182 0.0 2.1 3.1#



#62

4-Nitroaniline

Concen: 3.815 ng

RT: 15.992 min Scan# 2177

Delta R.T. 0.235 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

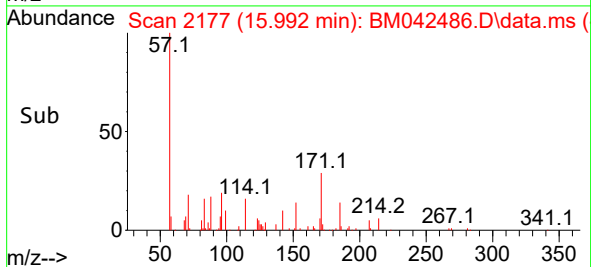
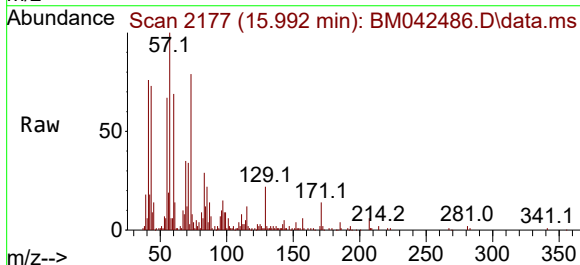
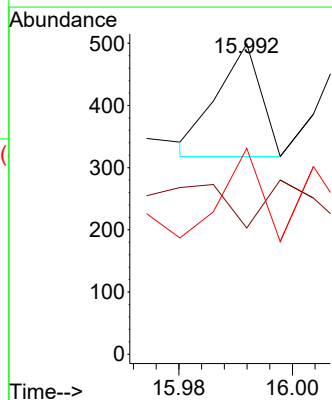
Tgt Ion:138 Resp: 95

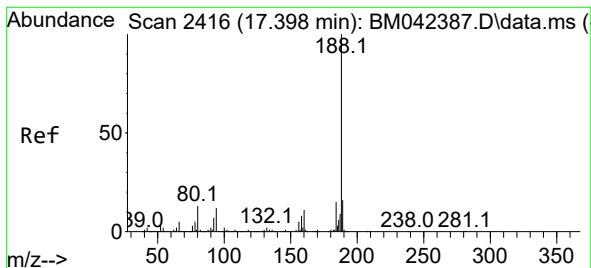
Ion Ratio Lower Upper

138 100

92 40.7 40.4 80.4

108 66.3 65.3 105.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2416

Delta R.T. -0.000 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER

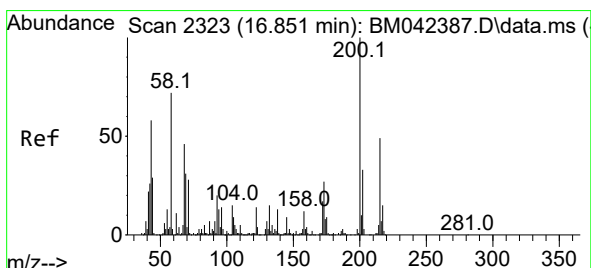
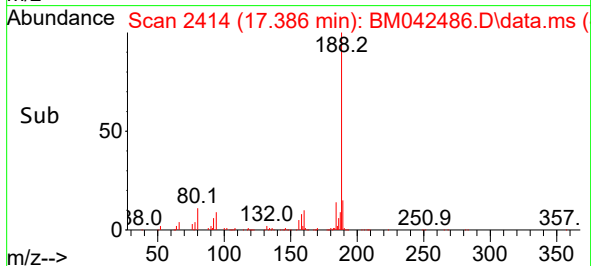
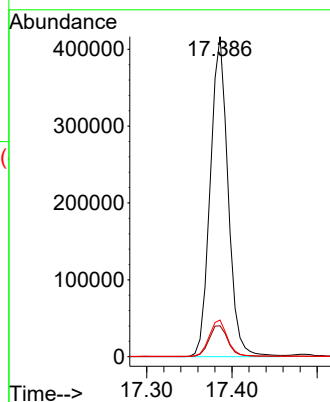
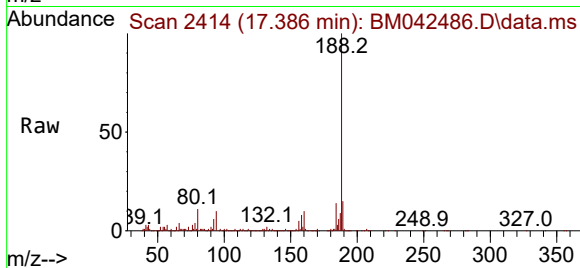
Tgt Ion:188 Resp: 603804

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.0

80 11.4 10.7 16.1



#69

Atrazine

Concen: 15.964 ng

RT: 16.880 min Scan# 2328

Delta R.T. 0.023 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

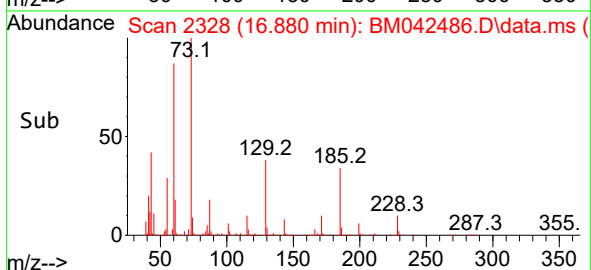
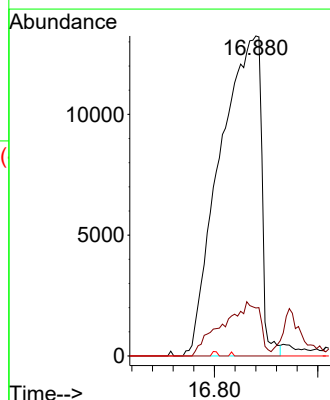
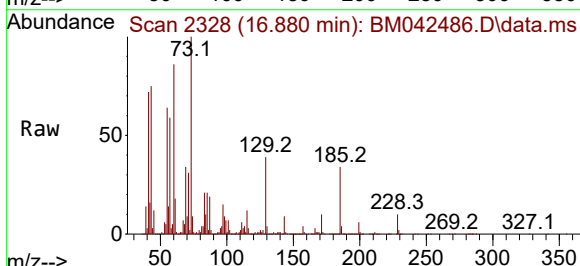
Tgt Ion:200 Resp: 73626

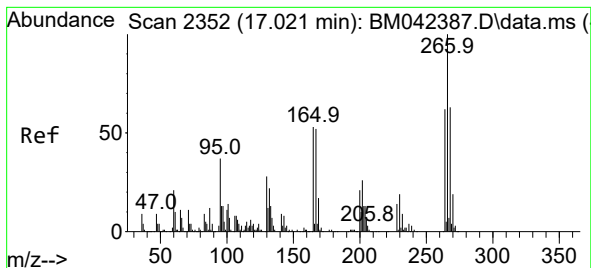
Ion Ratio Lower Upper

200 100

173 15.0 6.6 46.6

215 0.0 28.6 68.6#





#70

Pentachlorophenol

Concen: 6.183 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.023 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER

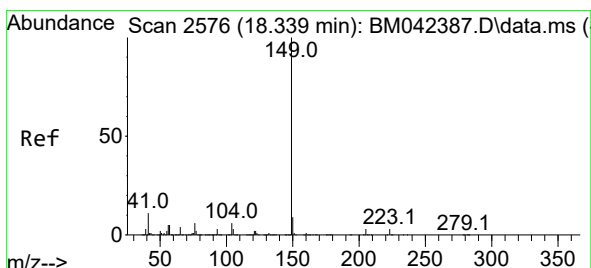
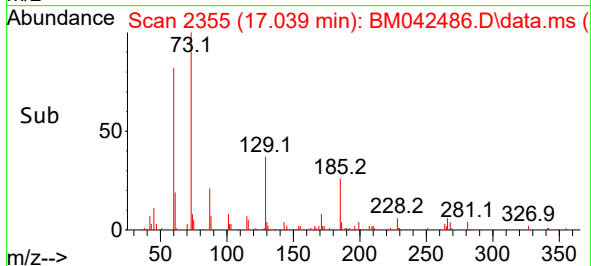
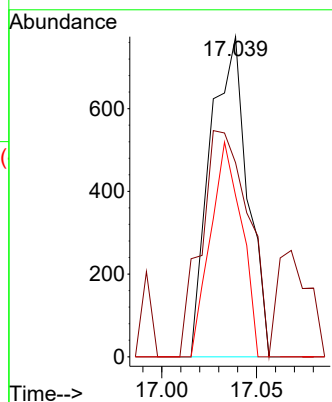
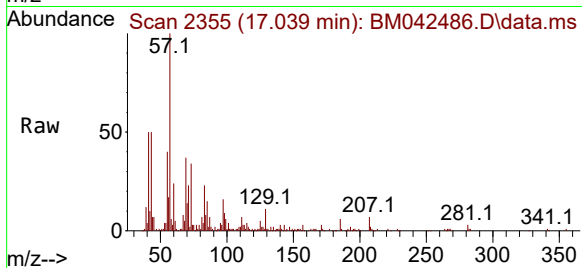
Tgt Ion:266 Resp: 1060

Ion Ratio Lower Upper

266 100

268 60.6 50.6 76.0

264 50.4 49.4 74.0



#74

Di-n-butylphthalate

Concen: 3.663 ng

RT: 18.339 min Scan# 2576

Delta R.T. 0.012 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

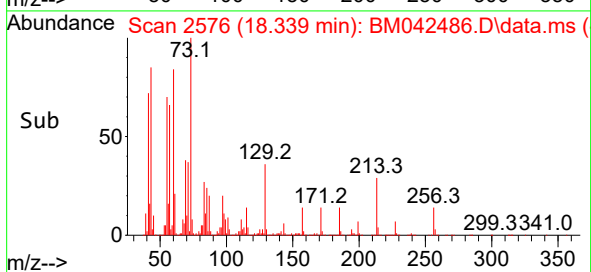
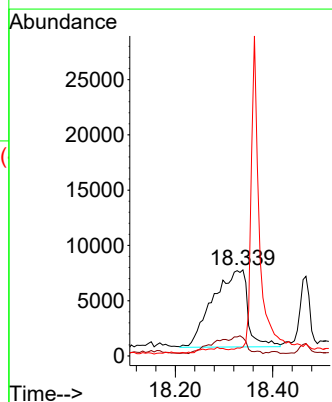
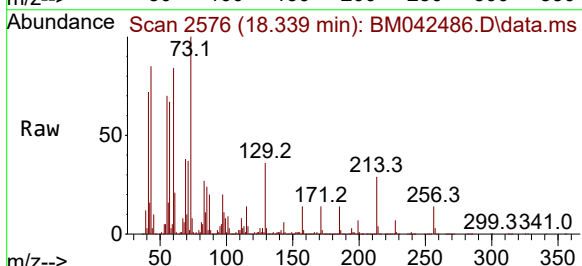
Tgt Ion:149 Resp: 34730

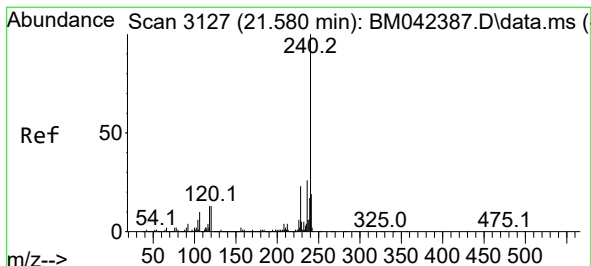
Ion Ratio Lower Upper

149 100

150 21.3 7.4 11.0#

104 10.4 4.6 7.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER

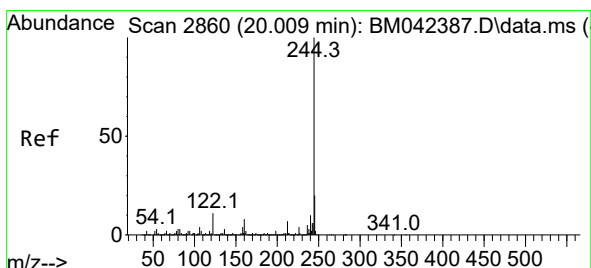
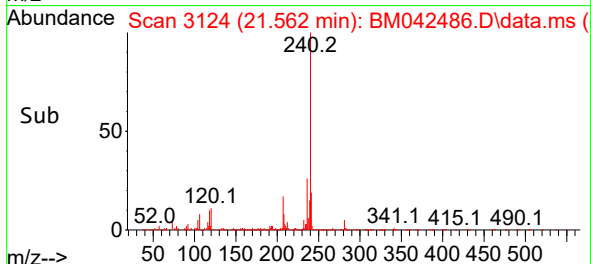
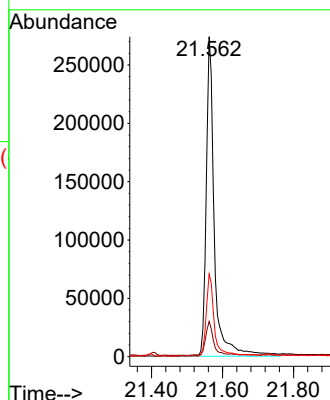
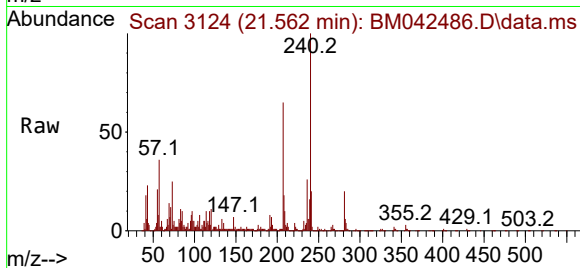
Tgt Ion:240 Resp: 436962

Ion Ratio Lower Upper

240 100

120 11.0 10.7 16.1

236 25.8 20.7 31.1



#79

Terphenyl-d14

Concen: 102.124 ng

RT: 20.003 min Scan# 2859

Delta R.T. 0.012 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

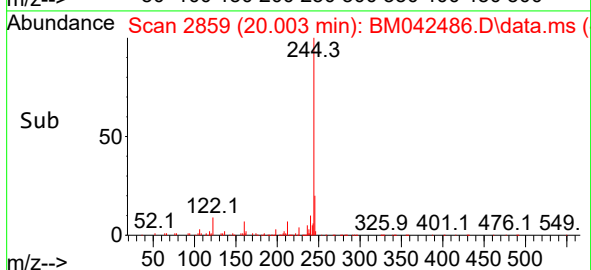
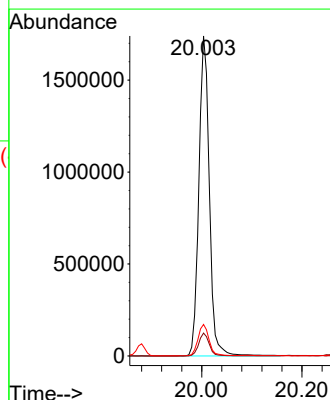
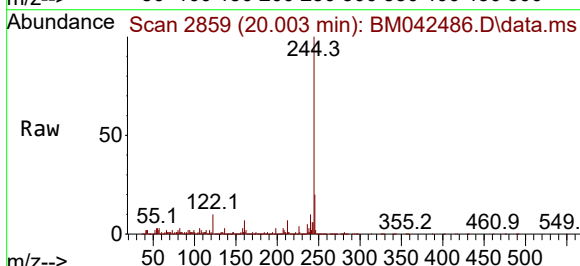
Tgt Ion:244 Resp: 2516172

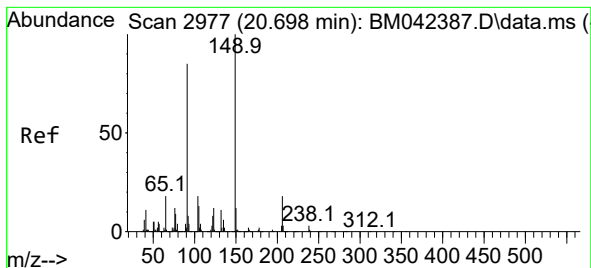
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.8 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.440 ng

RT: 20.686 min Scan# 2977

Delta R.T. -0.000 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER

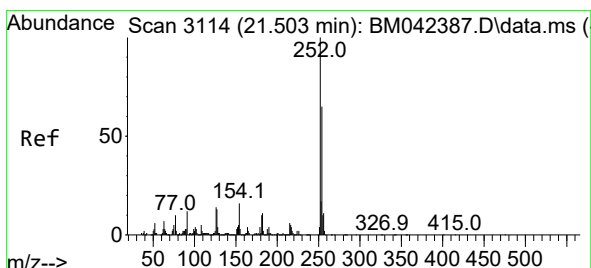
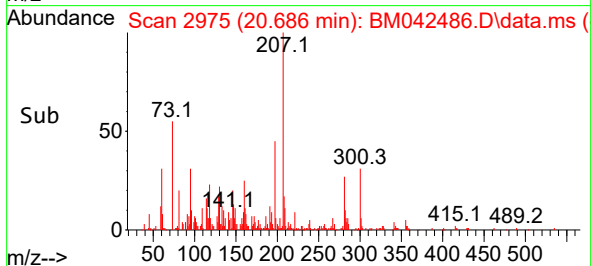
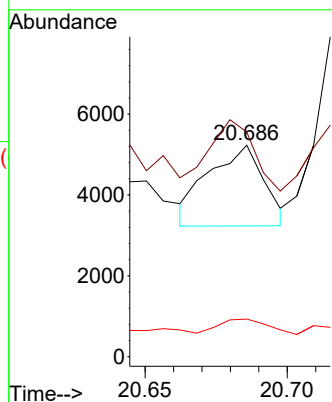
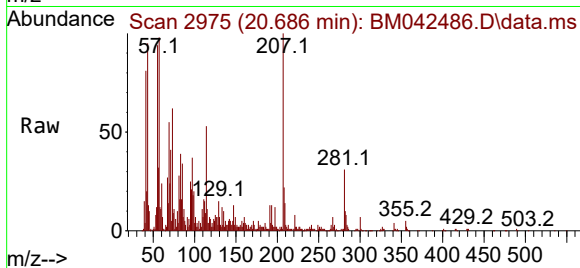
Tgt Ion:149 Resp: 2701

Ion Ratio Lower Upper

149 100

91 106.3 68.3 102.5#

206 17.8 14.6 22.0



#82

3,3'-Dichlorobenzidine

Concen: 7.077 ng

RT: 21.239 min Scan# 3069

Delta R.T. -0.253 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

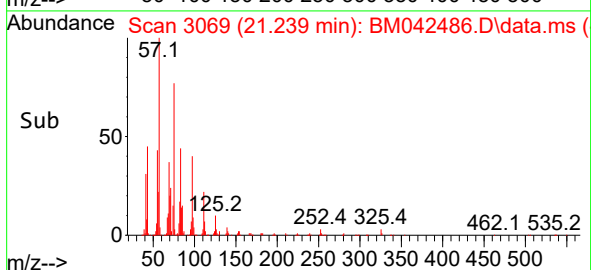
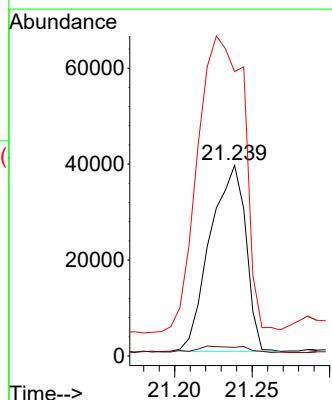
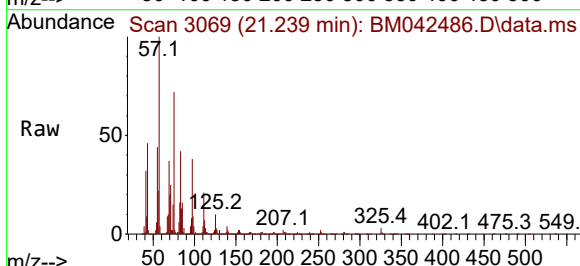
Tgt Ion:252 Resp: 61885

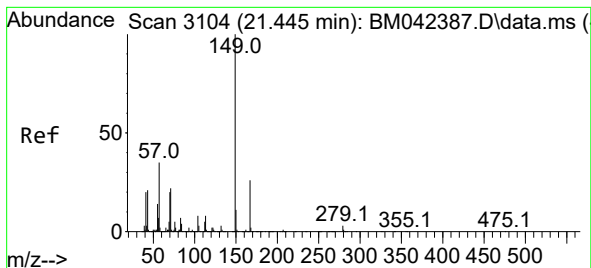
Ion Ratio Lower Upper

252 100

254 4.6 52.2 78.2#

126 149.2 11.4 17.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.509 ng

RT: 21.427 min Scan# 3104

Delta R.T. -0.000 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

Instrument :

BNA_M

ClientSampleId :

EFF-WASTE-WATER

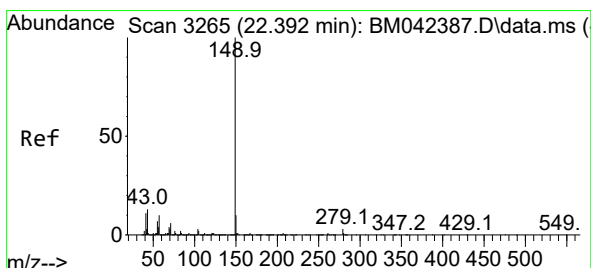
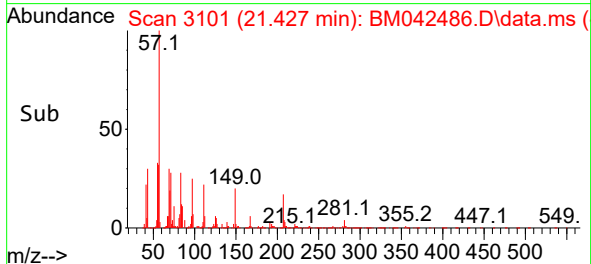
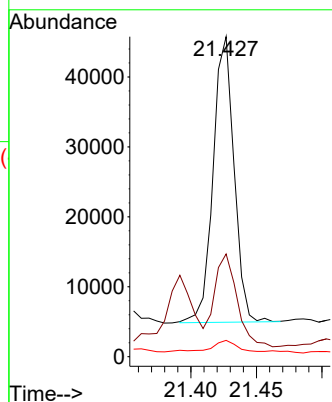
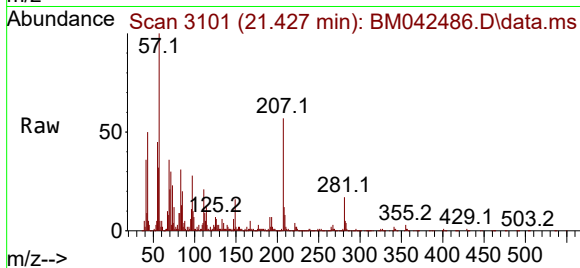
Tgt Ion:149 Resp: 45296

Ion Ratio Lower Upper

149 100

167 32.1 20.9 31.3#

279 5.1 2.7 4.1#



#85

Di-n-octyl phthalate

Concen: 4.346 ng

RT: 22.403 min Scan# 3267

Delta R.T. 0.035 min

Lab File: BM042486.D

Acq: 27 Oct 2023 23:27

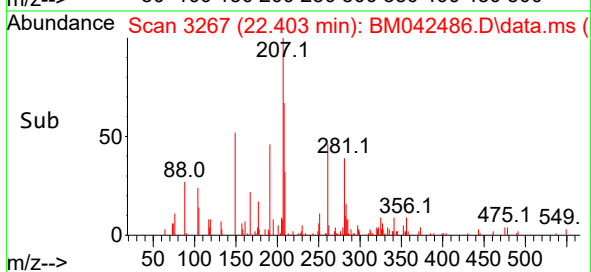
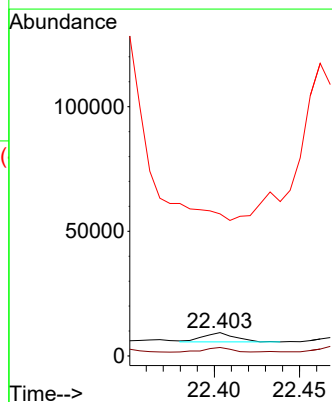
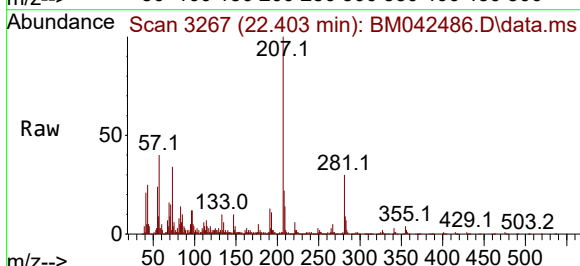
Tgt Ion:149 Resp: 4719

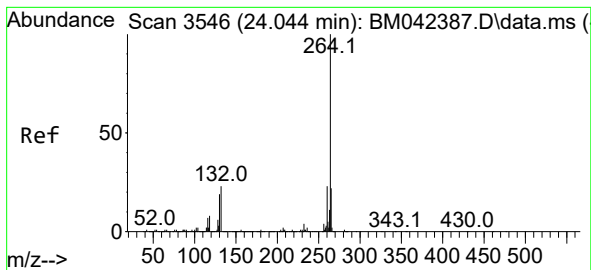
Ion Ratio Lower Upper

149 100

167 41.4 1.2 1.8#

43 0.0 11.0 16.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.015 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042486.D
Acq: 27 Oct 2023 23:27

Instrument :
BNA_M
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:264 Resp: 464826
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 24.2 17.8 26.8

