

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039981.D
 Acq On : 24 May 2023 13:20
 Operator : CG/JU
 Sample : 02824-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EFF-WW

Quant Time: May 24 14:00:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 01:06:13 2023
 Response via : Initial Calibration

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

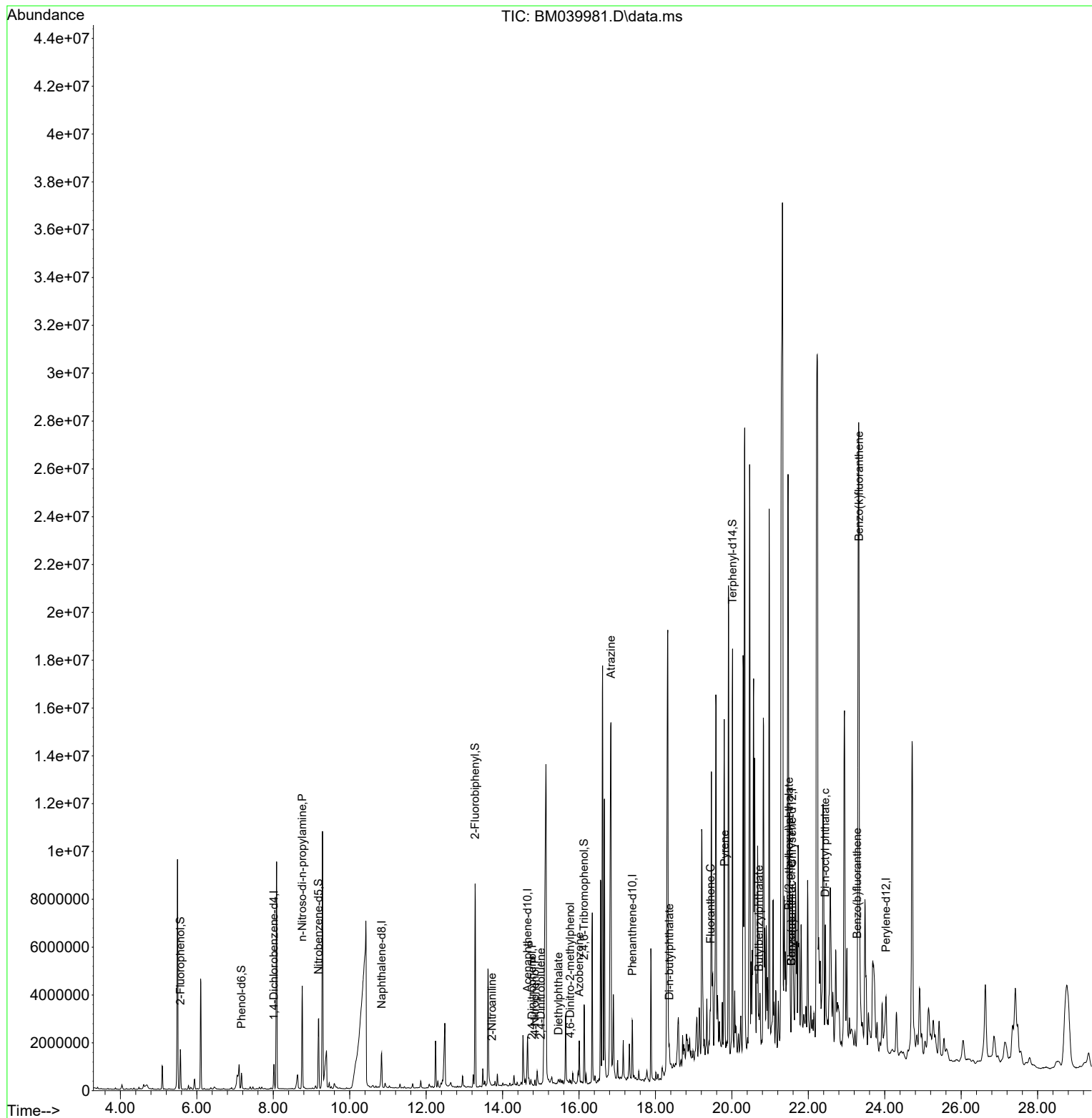
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	270146	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1187169	20.000	ng	0.00
39) Acenaphthene-d10	14.651	164	626075	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1398582	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1535539	20.000	ng	0.00
86) Perylene-d12	24.033	264	1590014	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	522607	29.675	ng	0.00
7) Phenol-d6	7.169	99	384696	16.745	ng	0.00
23) Nitrobenzene-d5	9.181	82	1674119	76.093	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	567698	69.862	ng	0.00
45) 2-Fluorobiphenyl	13.281	172	4137401	77.946	ng	0.00
79) Terphenyl-d14	20.015	244	7875190	79.632	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.757	70	511571	38.446	ng	# 68
48) 2-Nitroaniline	13.722	65	2187	2.751	ng	# 75
54) 2,4-Dinitrophenol	14.769	184	292	8.093	ng	# 1
56) 4-Nitrophenol	14.845	139	20260	2.452	ng	97
57) 2,4-Dinitrotoluene	14.998	165	11310	4.550	ng	# 81
60) Diethylphthalate	15.463	149	131948	2.828	ng	99
63) Azobenzene	16.004	77	462257	9.939	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.769	198	133	7.857	ng	# 1
69) Atrazine	16.833	200	33350	2.788	ng	# 50
74) Di-n-butylphthalate	18.363	149	376814	7.298	ng	99
75) Fluoranthene	19.445	202	187625	2.250	ng	82
78) Pyrene	19.810	202	297782	2.643	ng	99
80) Butylbenzylphthalate	20.709	149	99893	6.771	ng	96
81) Benzo(a)anthracene	21.557	228	273134	2.513	ng	99
83) Chrysene	21.557	228	273134	2.619	ng	96
84) Bis(2-ethylhexyl)phtha...	21.492	149	354822	8.047	ng	96
85) Di-n-octyl phthalate	22.439	149	242740	8.459	ng	# 1
88) Benzo(b)fluoranthene	23.280	252	303466	2.981	ng	# 76
89) Benzo(k)fluoranthene	23.327	252	348386	3.130	ng	# 1

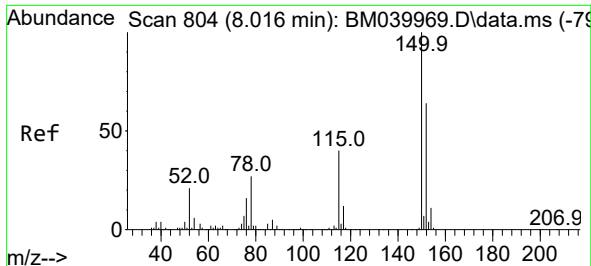
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
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Quant Time: May 24 14:00:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 24 01:06:13 2023
Response via : Initial Calibration

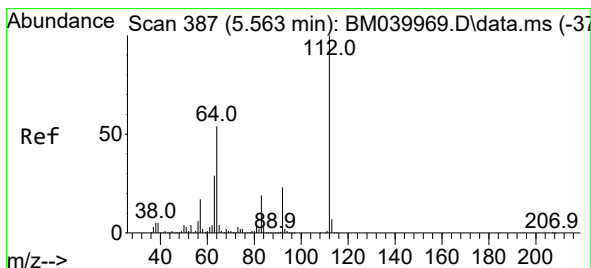
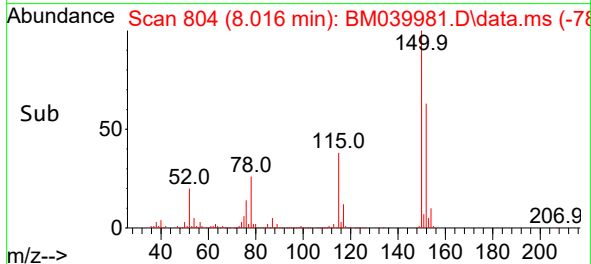
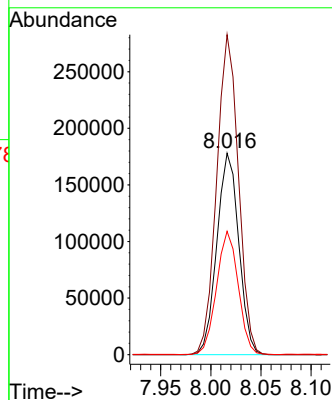
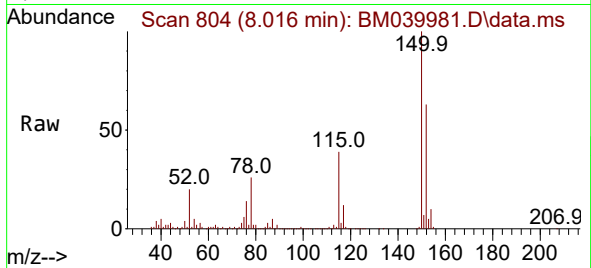




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.016 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

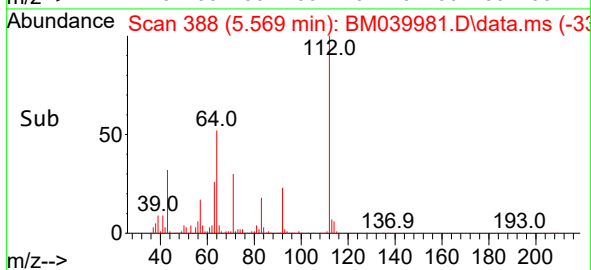
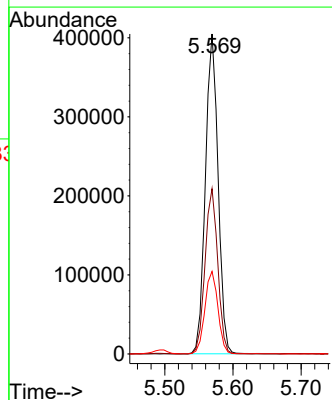
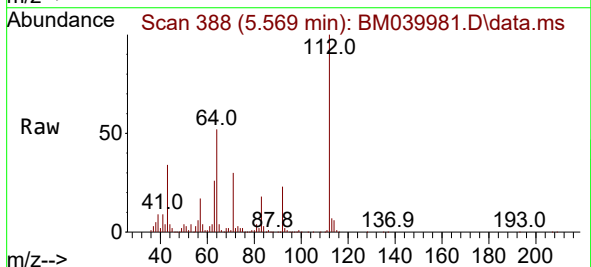
Instrument :
BNA_M
ClientSampleId :
EFF-WW

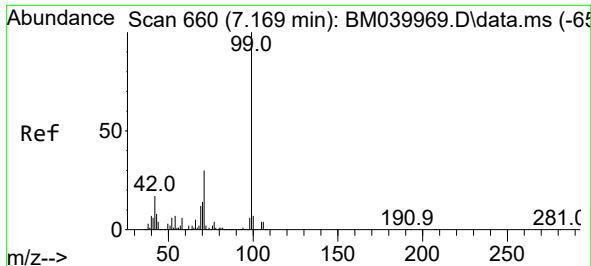
Tgt Ion:152 Resp: 270146
Ion Ratio Lower Upper
152 100
150 158.8 125.5 188.3
115 61.2 50.2 75.2



#5
2-Fluorophenol
Concen: 29.675 ng
RT: 5.569 min Scan# 388
Delta R.T. 0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:112 Resp: 522607
Ion Ratio Lower Upper
112 100
64 51.6 43.0 64.4
63 25.8 22.9 34.3

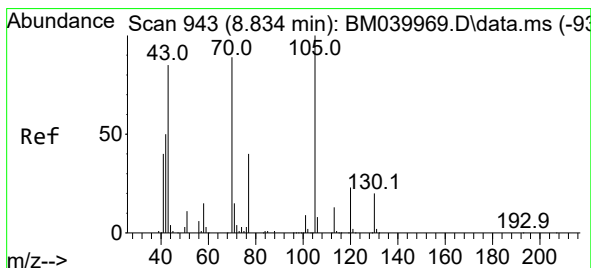
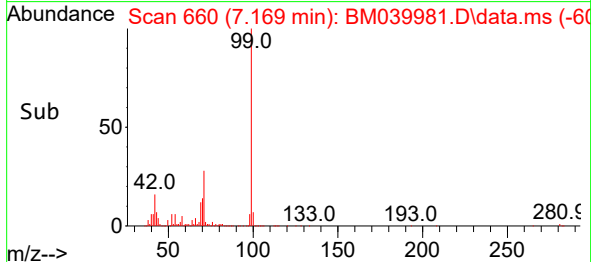
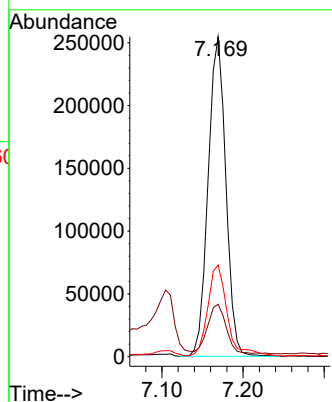
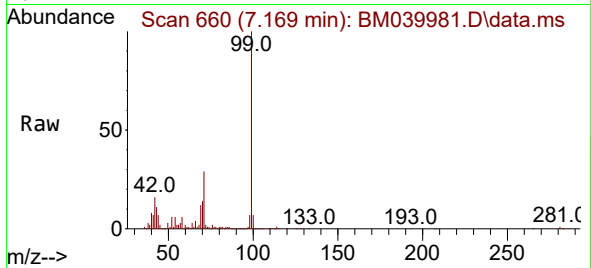




#7
Phenol-d6
Concen: 16.745 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

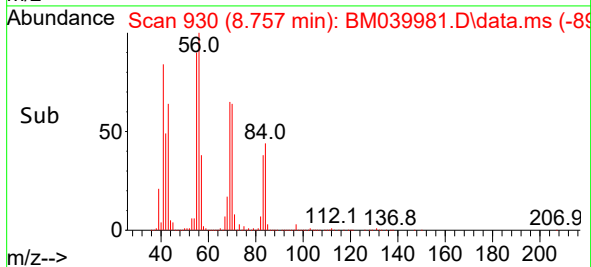
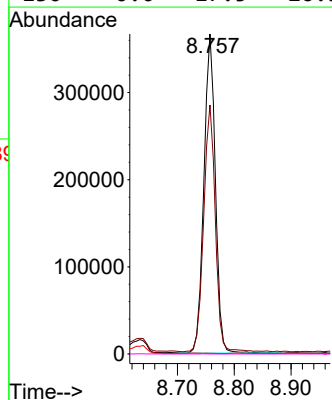
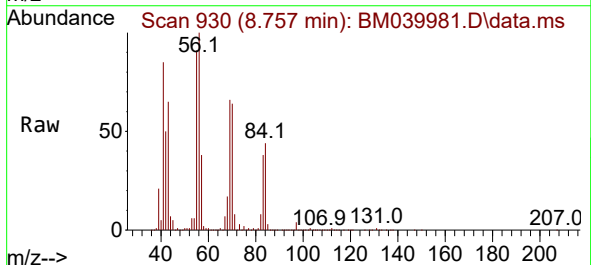
Instrument :
BNA_M
ClientSampleId :
EFF-WW

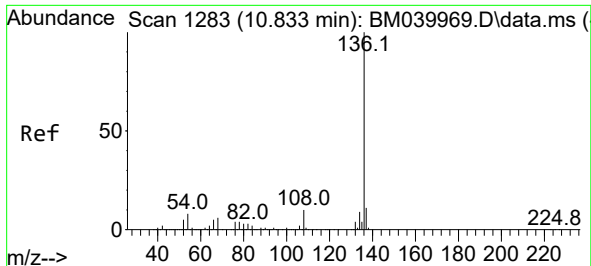
Tgt Ion: 99 Resp: 384696
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.6
71 28.6 24.4 36.6



#19
n-Nitroso-di-n-propylamine
Concen: 38.446 ng
RT: 8.757 min Scan# 930
Delta R.T. -0.076 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion: 70 Resp: 511571
Ion Ratio Lower Upper
70 100
42 77.8 45.6 68.4#
101 0.2 7.7 11.5#
130 0.0 17.5 26.3#

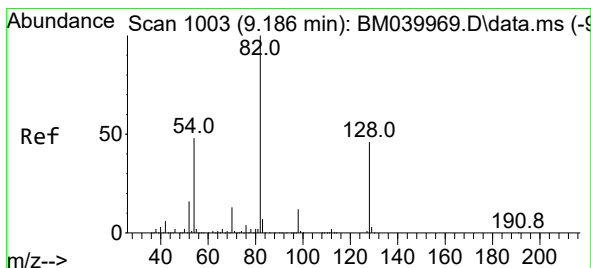
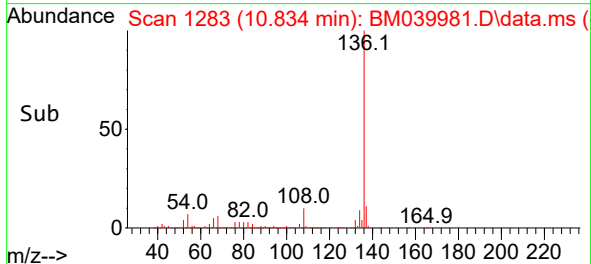
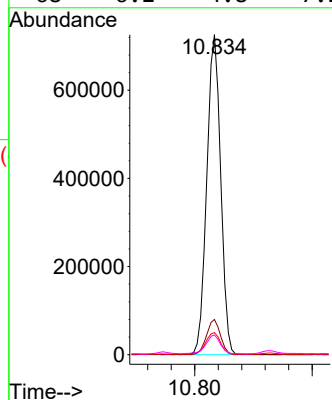
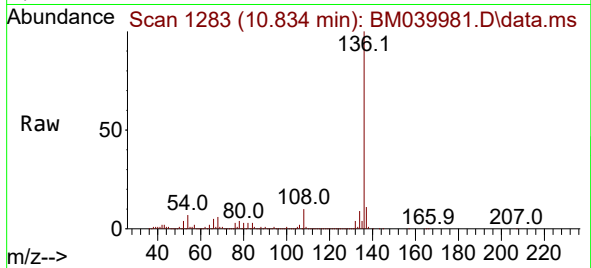




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

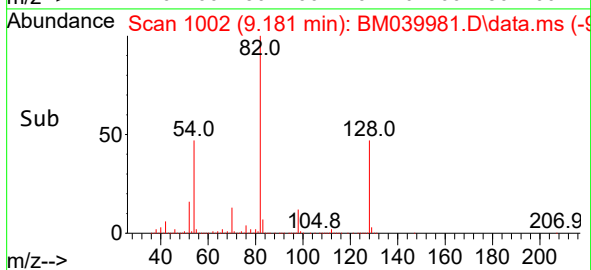
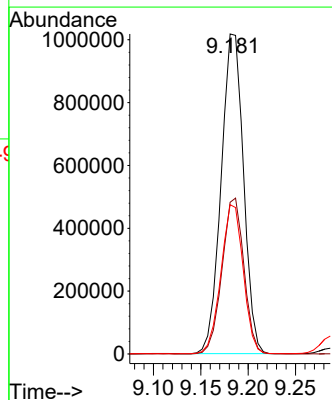
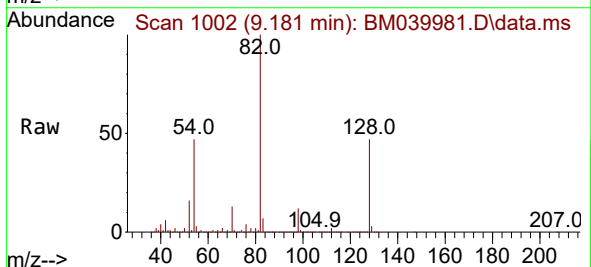
Instrument :
BNA_M
ClientSampleId :
EFF-WW

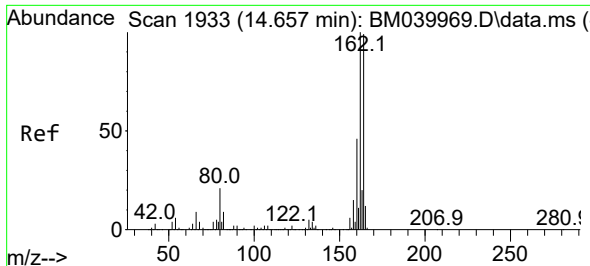
Tgt Ion:136 Resp: 1187169
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.9 6.1 9.1
68 6.2 4.8 7.2



#23
Nitrobenzene-d5
Concen: 76.093 ng
RT: 9.181 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion: 82 Resp: 1674119
Ion Ratio Lower Upper
82 100
128 47.4 36.5 54.7
54 46.7 38.3 57.5

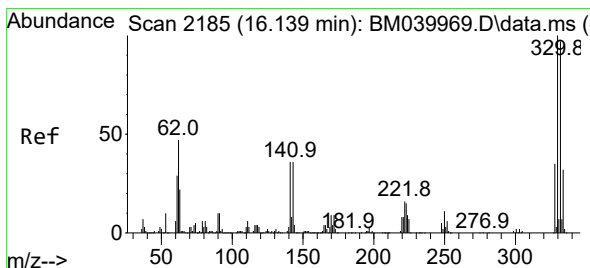
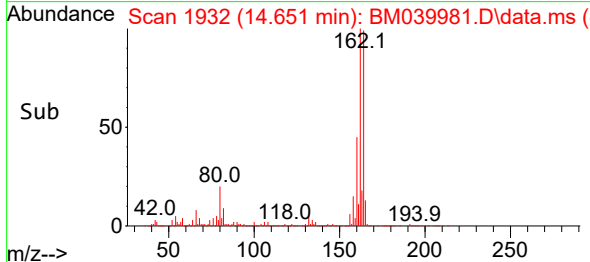
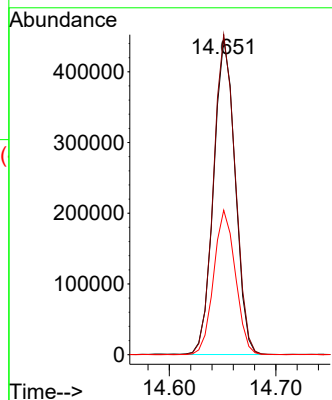
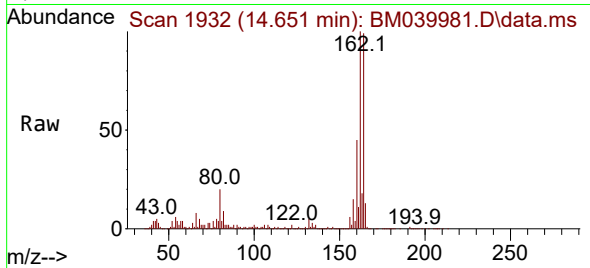




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.651 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

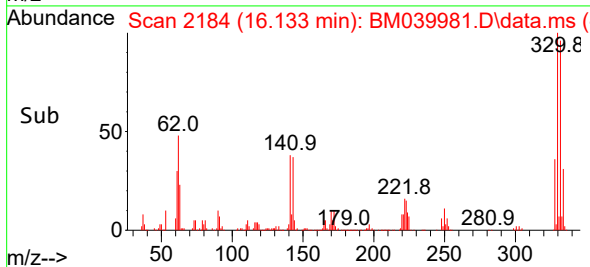
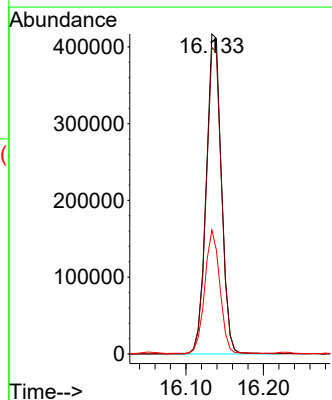
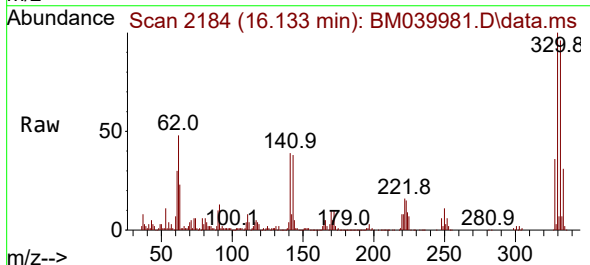
Instrument :
BNA_M
ClientSampleId :
EFF-WW

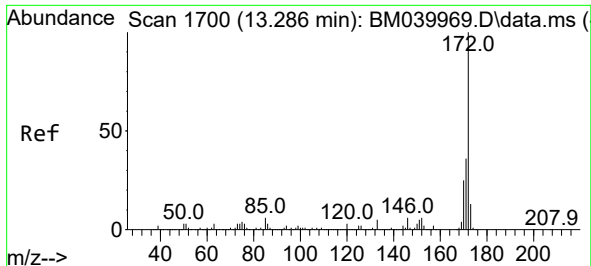
Tgt Ion:164 Resp: 626075
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.7 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 69.862 ng
RT: 16.133 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:330 Resp: 567698
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.2
141 38.1 31.6 47.4

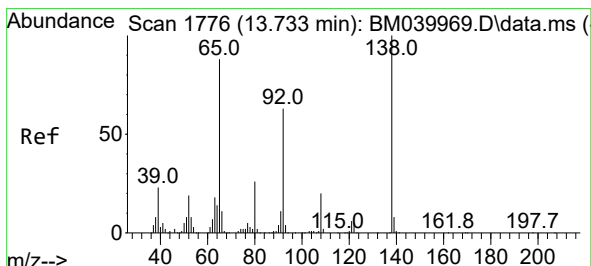
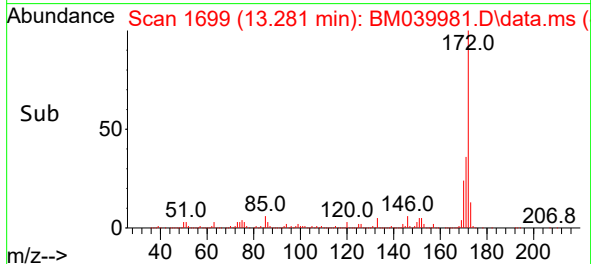
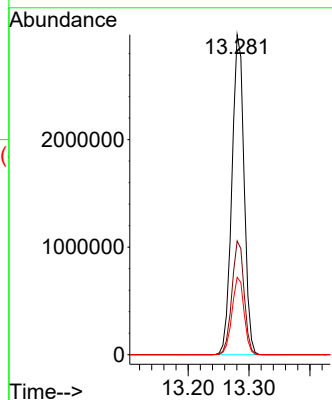
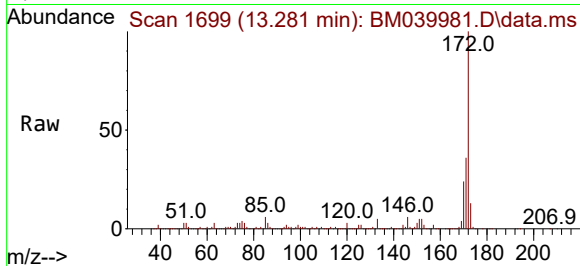




#45
2-Fluorobiphenyl
Concen: 77.946 ng
RT: 13.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

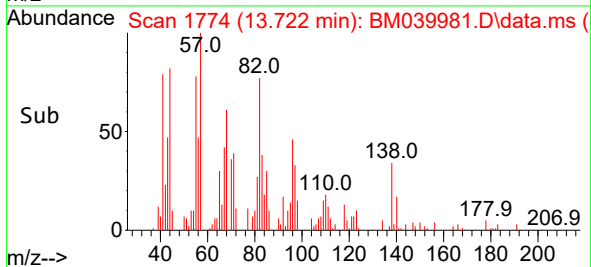
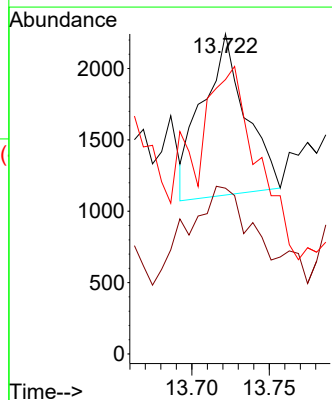
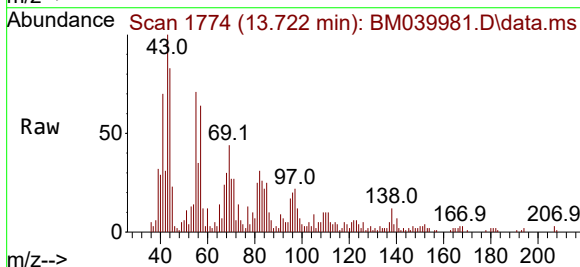
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ClientSampleId :
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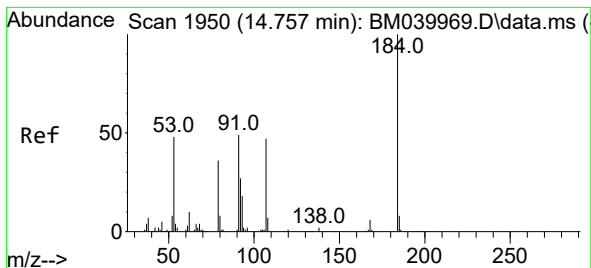
Tgt Ion:172 Resp: 4137401
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.2 19.6 29.4



#48
2-Nitroaniline
Concen: 2.751 ng
RT: 13.722 min Scan# 1774
Delta R.T. -0.011 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion: 65 Resp: 2187
Ion Ratio Lower Upper
65 100
92 51.8 57.0 85.6#
138 85.8 91.1 136.7#





#54

2,4-Dinitrophenol

Concen: 8.093 ng

RT: 14.769 min Scan# 1952

Delta R.T. 0.012 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

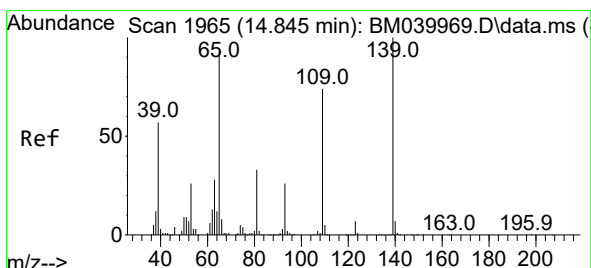
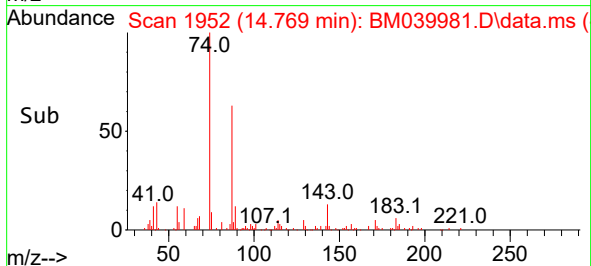
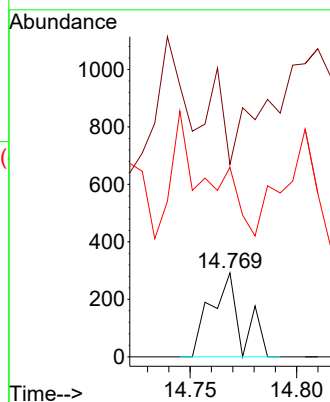
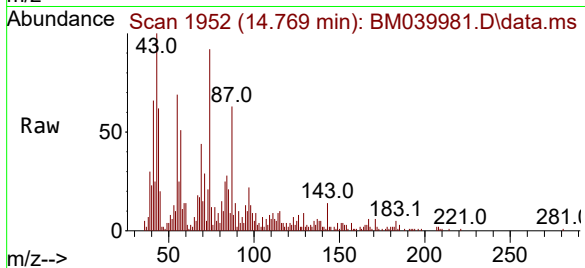
Tgt Ion:184 Resp: 292

Ion Ratio Lower Upper

184 100

63 229.1 53.0 79.4#

154 225.7 54.4 81.6#



#56

4-Nitrophenol

Concen: 2.452 ng

RT: 14.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

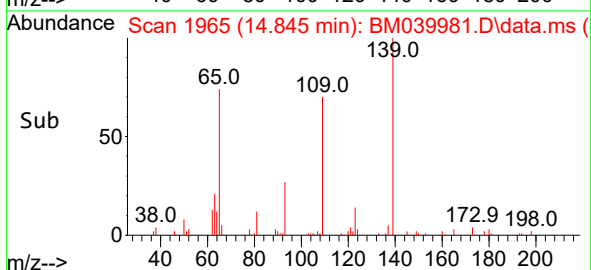
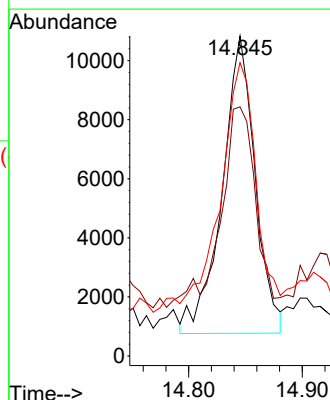
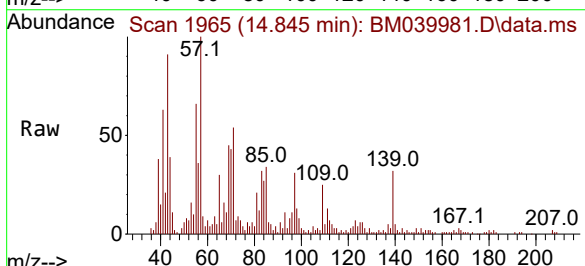
Tgt Ion:139 Resp: 20260

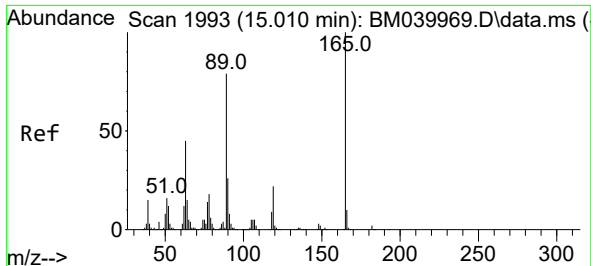
Ion Ratio Lower Upper

139 100

109 77.8 53.9 93.9

65 91.6 72.6 112.6

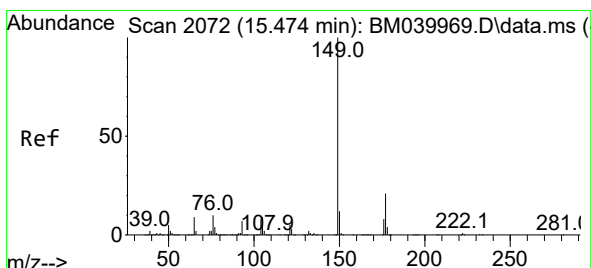
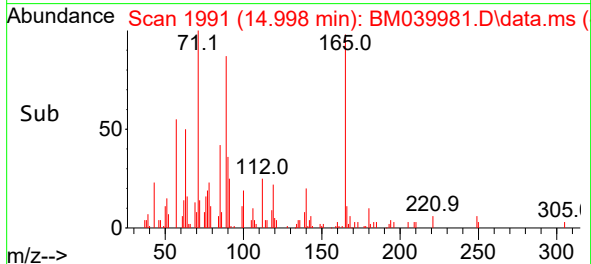
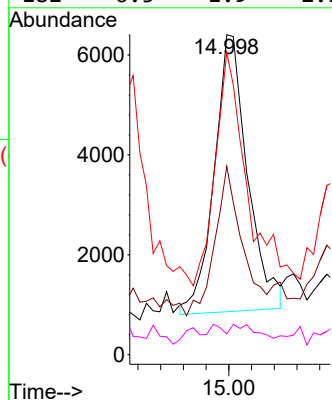
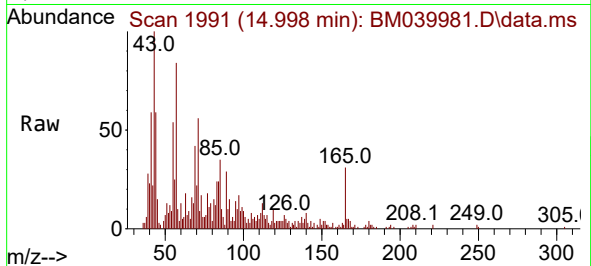




#57
2,4-Dinitrotoluene
Concen: 4.550 ng
RT: 14.998 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

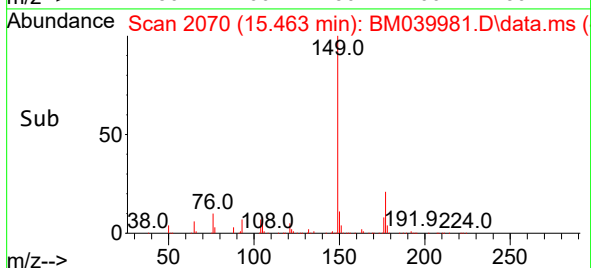
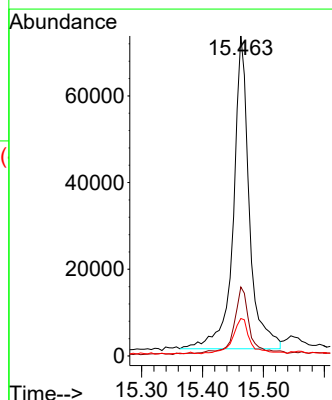
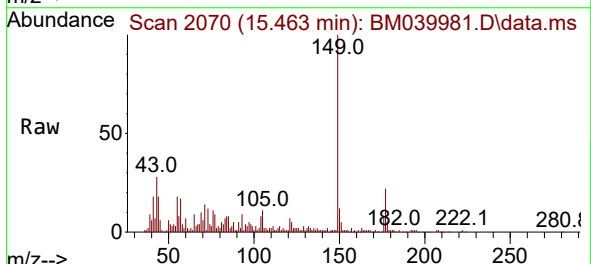
Instrument :
BNA_M
ClientSampleId :
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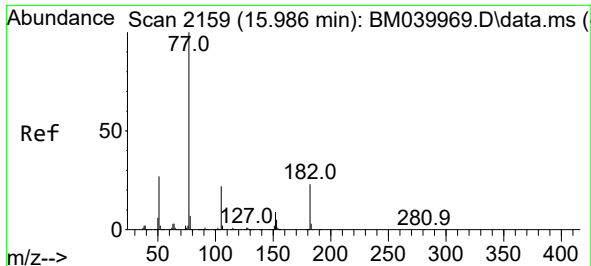
Tgt Ion:165 Resp: 11310
Ion Ratio Lower Upper
165 100
63 58.9 36.2 54.2#
89 94.5 63.4 95.0
182 6.5 1.9 2.9#



#60
Diethylphthalate
Concen: 2.828 ng
RT: 15.463 min Scan# 2070
Delta R.T. -0.011 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:149 Resp: 131948
Ion Ratio Lower Upper
149 100
177 21.6 16.8 25.2
150 11.7 9.5 14.3

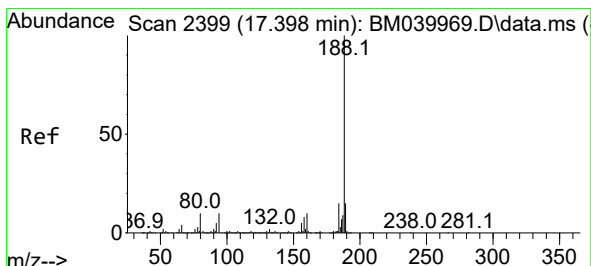
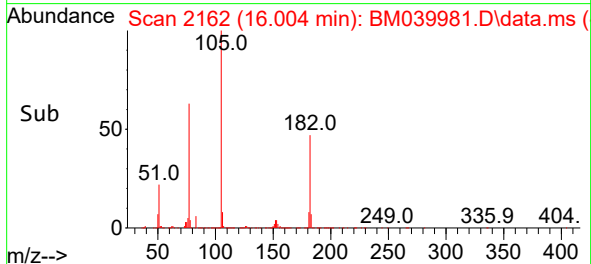
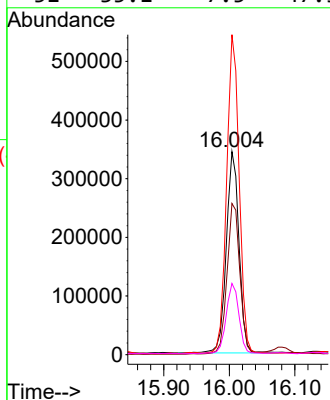
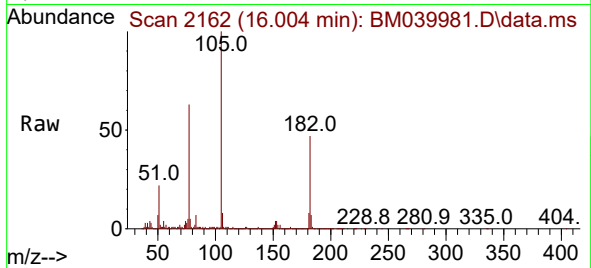




#63
Azobenzene
Concen: 9.939 ng
RT: 16.004 min Scan# 2159
Delta R.T. 0.018 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

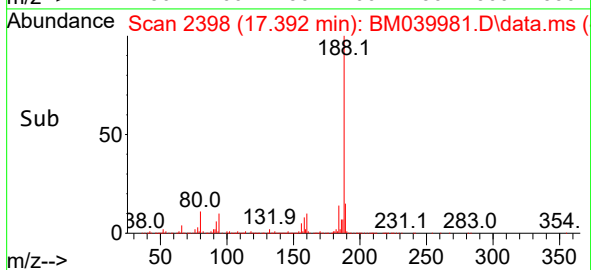
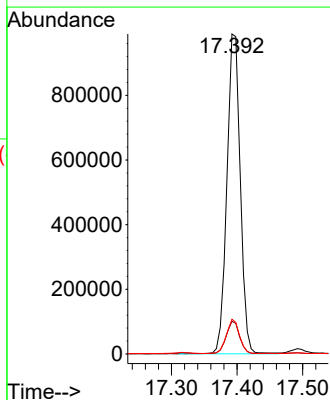
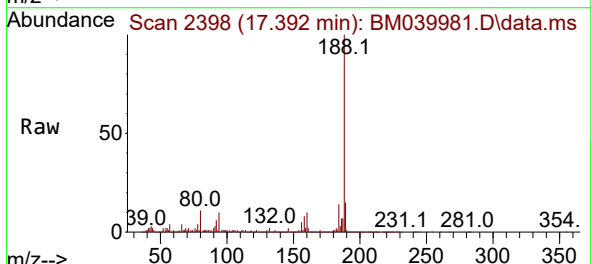
Instrument :
BNA_M
ClientSampleId :
EFF-WW

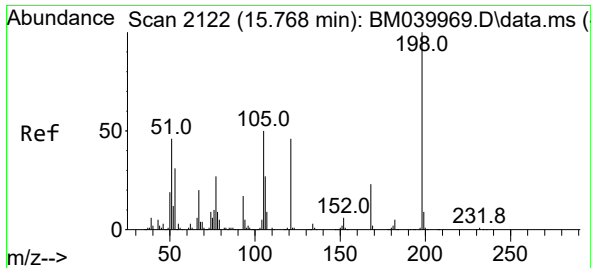
Tgt Ion: 77 Resp: 462257
Ion Ratio Lower Upper
77 100
182 74.5 2.9 42.9#
105 157.6 1.5 41.5#
51 35.1 7.5 47.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2398
Delta R.T. -0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:188 Resp: 1398582
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.8
80 10.8 8.2 12.4

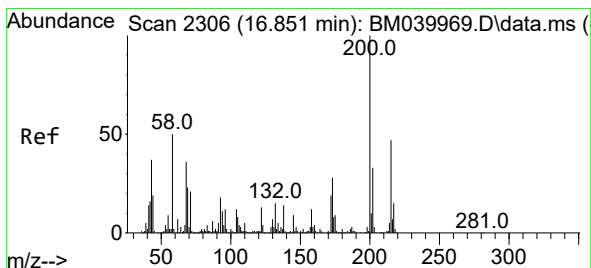
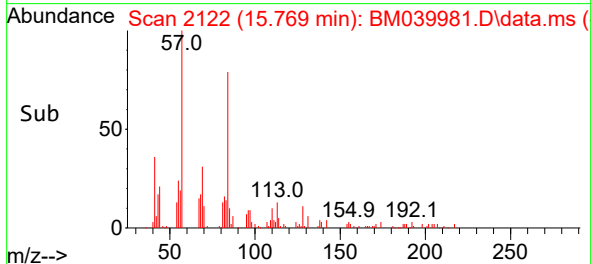
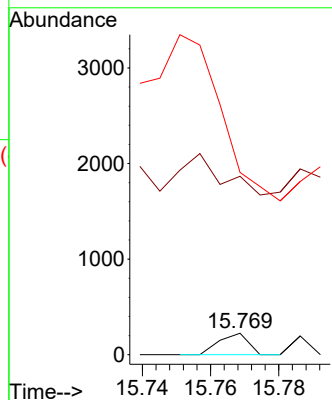
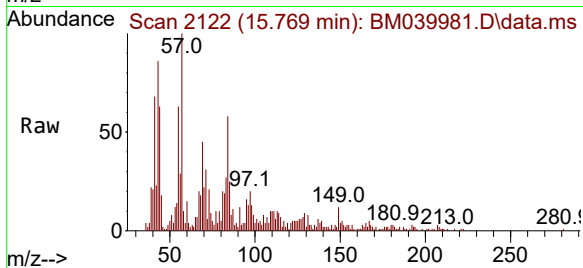




#65
4,6-Dinitro-2-methylphenol
Concen: 7.857 ng
RT: 15.769 min Scan# 2122
Delta R.T. 0.001 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

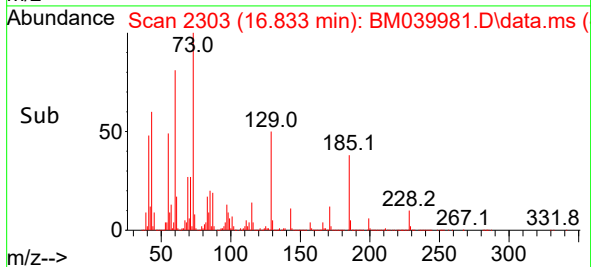
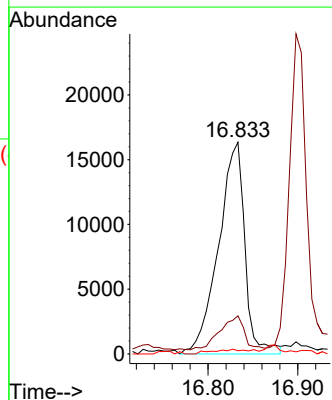
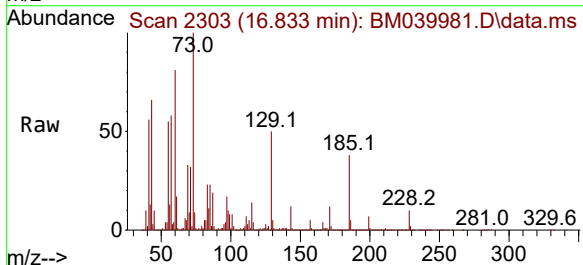
Instrument :
BNA_M
ClientSampleId :
EFF-WW

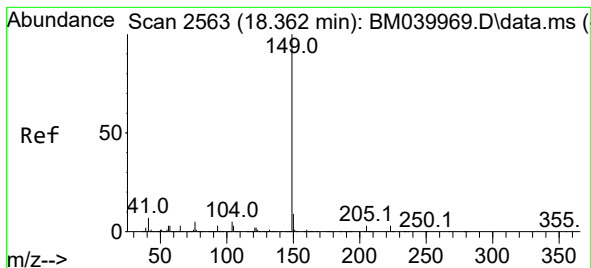
Tgt Ion:198 Resp: 133
Ion Ratio Lower Upper
198 100
51 829.3 29.9 69.9#
105 847.6 30.4 70.4#



#69
Atrazine
Concen: 2.788 ng
RT: 16.833 min Scan# 2303
Delta R.T. -0.017 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:200 Resp: 33350
Ion Ratio Lower Upper
200 100
173 18.0 7.7 47.7
215 1.5 27.5 67.5#





#74

Di-n-butylphthalate

Concen: 7.298 ng

RT: 18.363 min Scan# 2

Delta R.T. 0.001 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

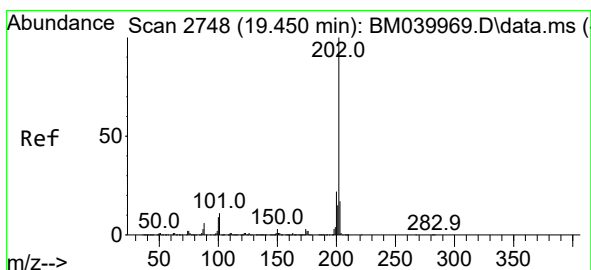
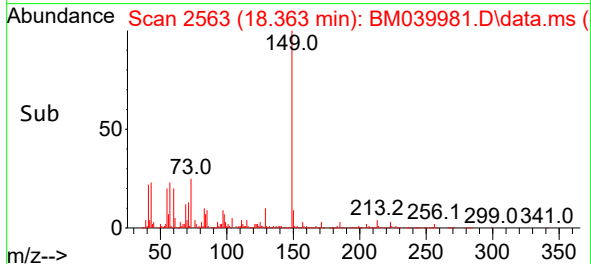
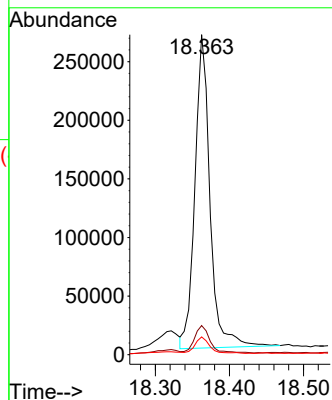
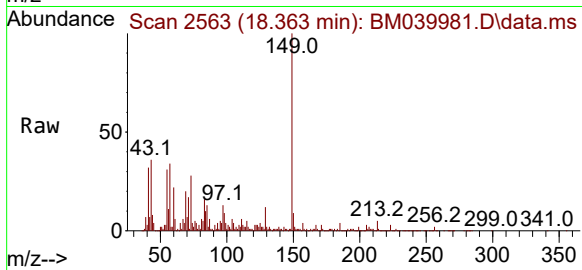
Tgt Ion:149 Resp: 376814

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.6 4.2 6.2



#75

Fluoranthene

Concen: 2.250 ng

RT: 19.445 min Scan# 2747

Delta R.T. -0.005 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

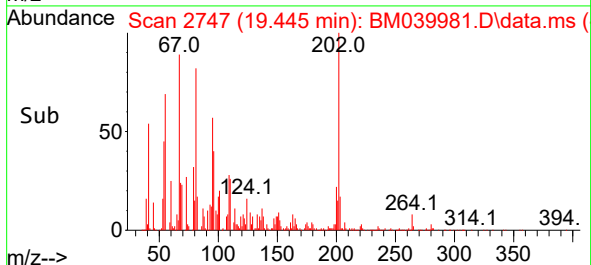
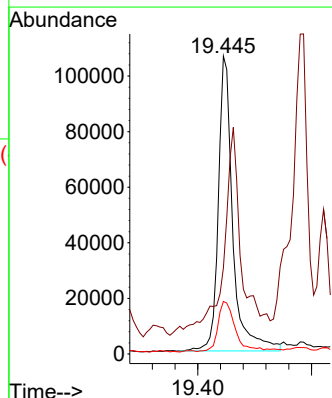
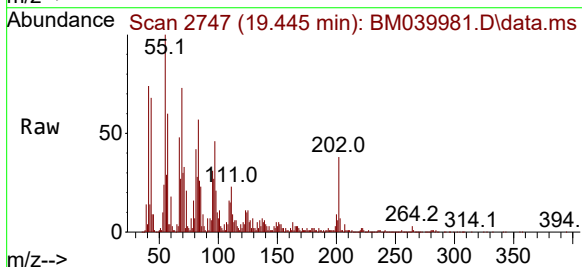
Tgt Ion:202 Resp: 187625

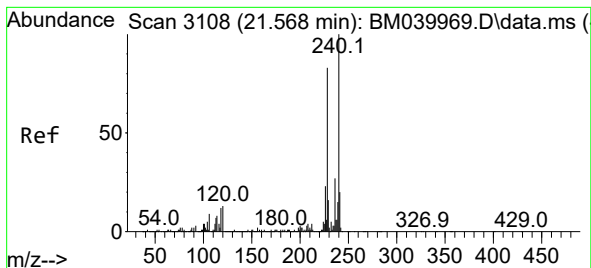
Ion Ratio Lower Upper

202 100

101 28.9 0.0 31.3

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

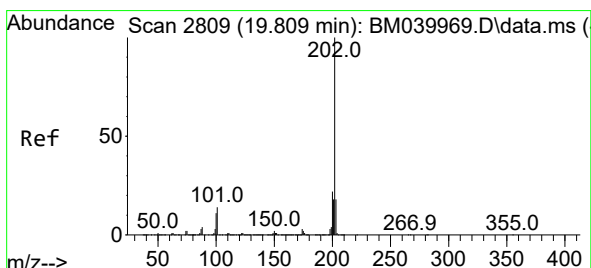
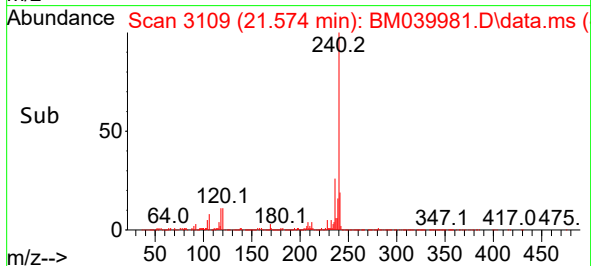
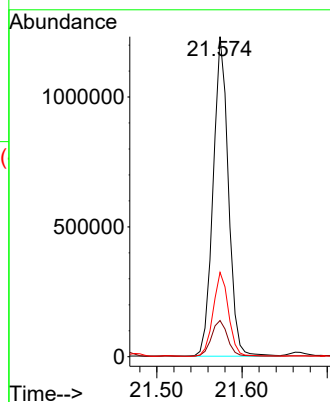
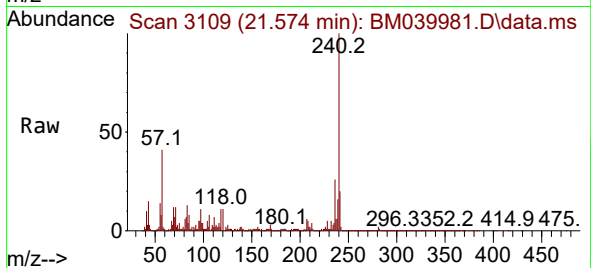
Tgt Ion:240 Resp: 1535539

Ion Ratio Lower Upper

240 100

120 11.3 10.1 15.1

236 26.3 21.3 31.9



#78

Pyrene

Concen: 2.643 ng

RT: 19.810 min Scan# 2809

Delta R.T. 0.001 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

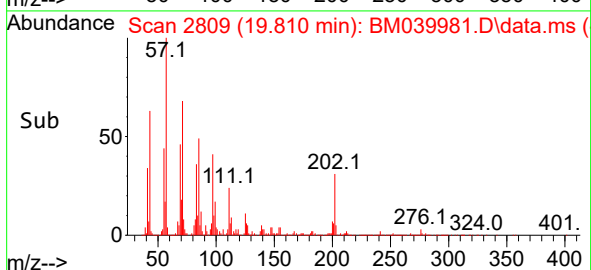
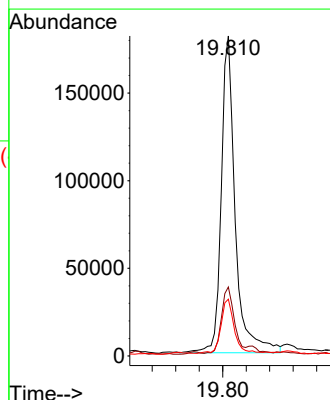
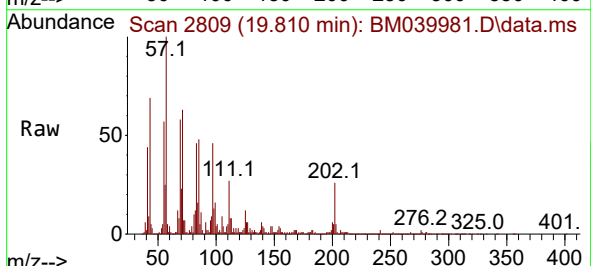
Tgt Ion:202 Resp: 297782

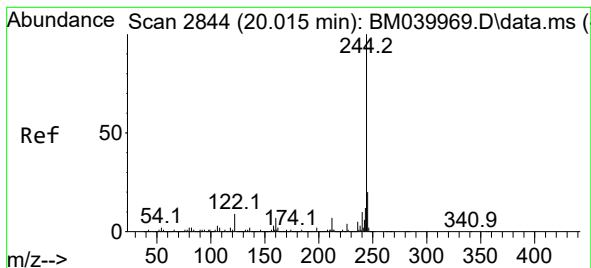
Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 79.632 ng

RT: 20.015 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

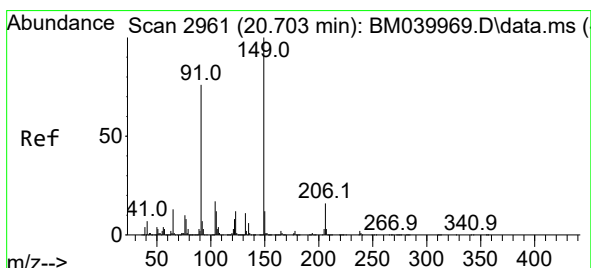
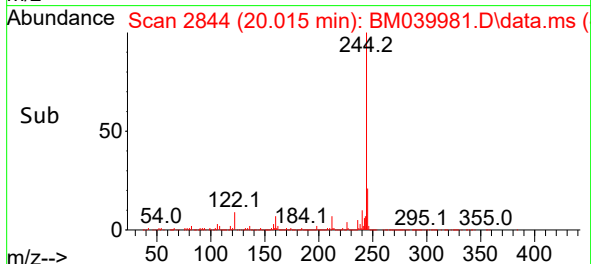
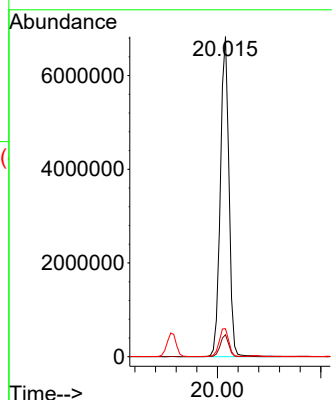
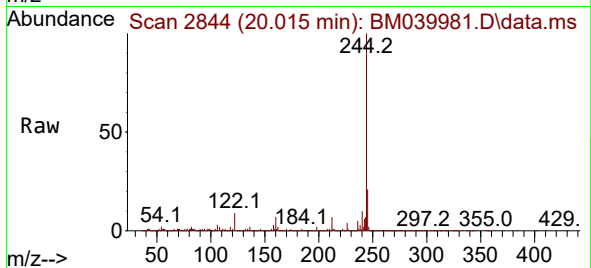
Tgt Ion:244 Resp: 7875190

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 8.8 7.1 10.7



#80

Butylbenzylphthalate

Concen: 6.771 ng

RT: 20.709 min Scan# 2962

Delta R.T. 0.006 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

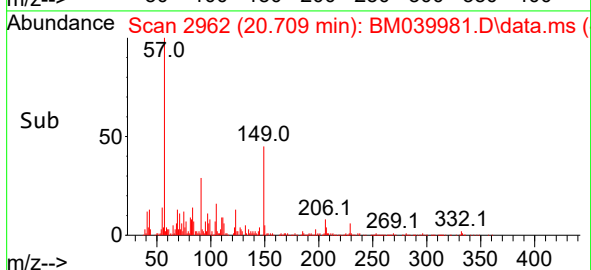
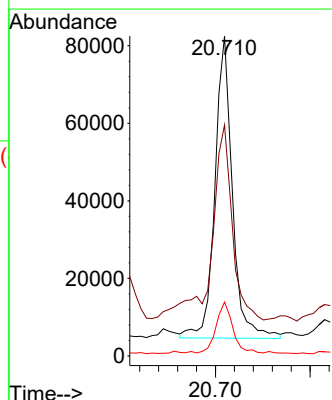
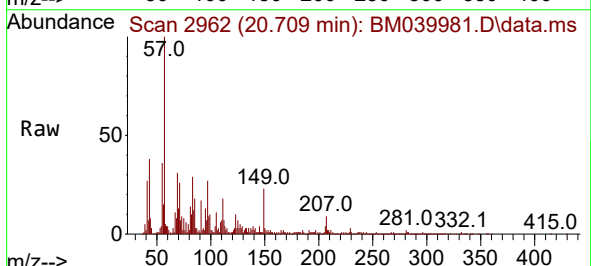
Tgt Ion:149 Resp: 99893

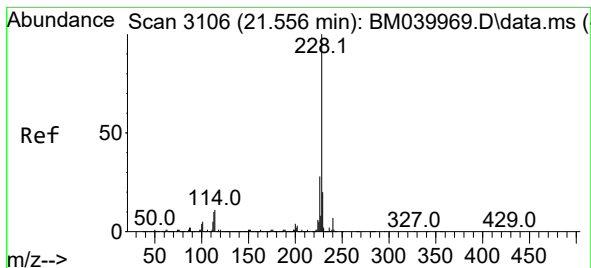
Ion Ratio Lower Upper

149 100

91 72.2 61.0 91.4

206 16.8 12.7 19.1





#81

Benzo(a)anthracene

Concen: 2.513 ng

RT: 21.557 min Scan# 3106

Delta R.T. 0.000 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

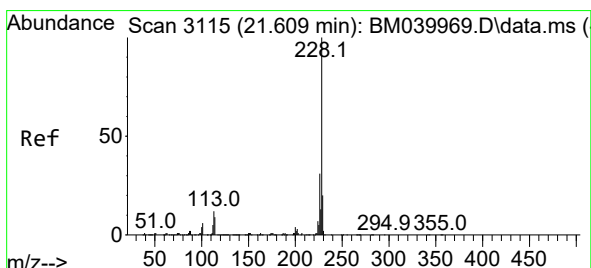
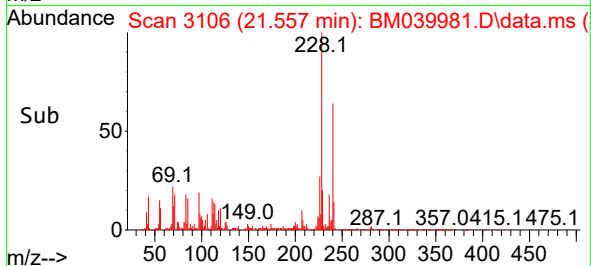
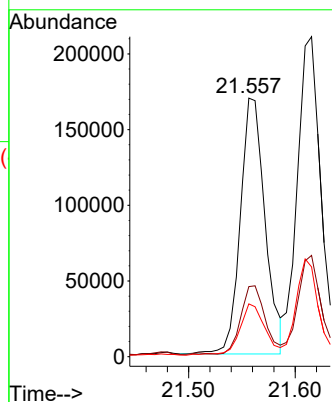
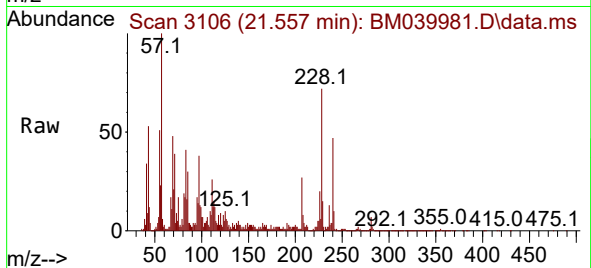
Tgt Ion:228 Resp: 273134

Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.4

229 20.4 15.8 23.6



#83

Chrysene

Concen: 2.619 ng

RT: 21.557 min Scan# 3106

Delta R.T. -0.053 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

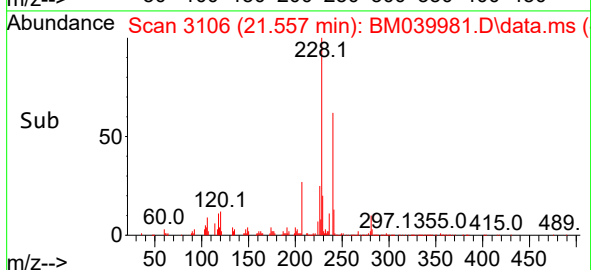
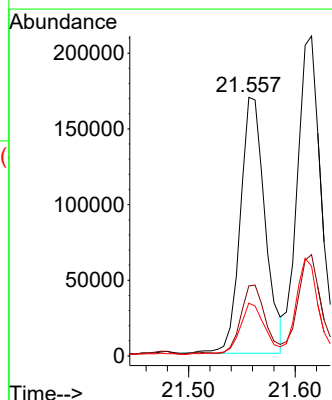
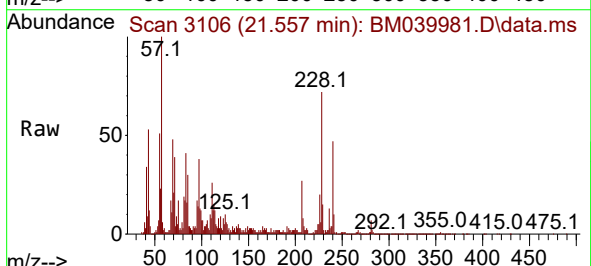
Tgt Ion:228 Resp: 273134

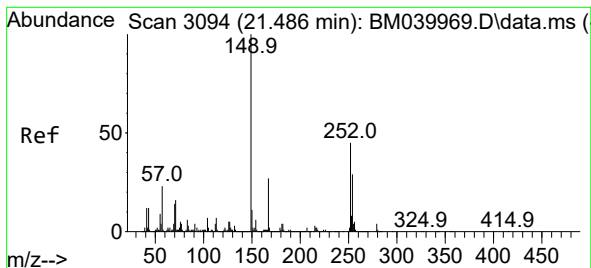
Ion Ratio Lower Upper

228 100

226 27.1 24.5 36.7

229 20.4 15.9 23.9

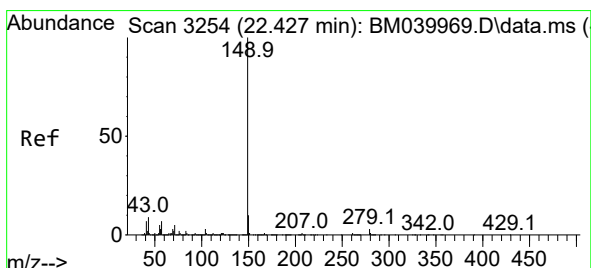
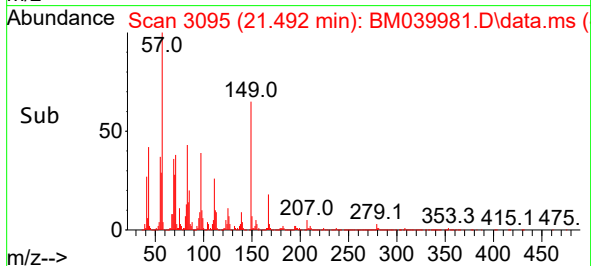
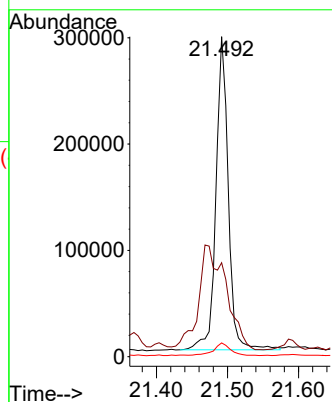
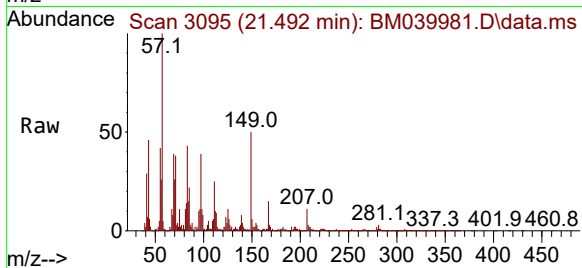




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.047 ng
RT: 21.492 min Scan# 3095
Delta R.T. 0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

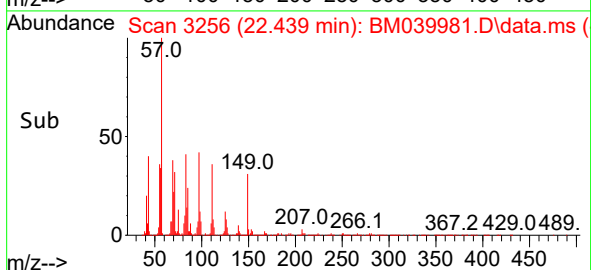
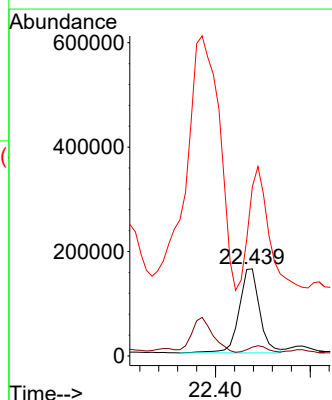
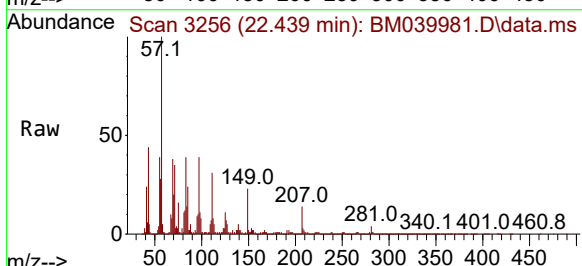
Instrument :
BNA_M
ClientSampleId :
EFF-WW

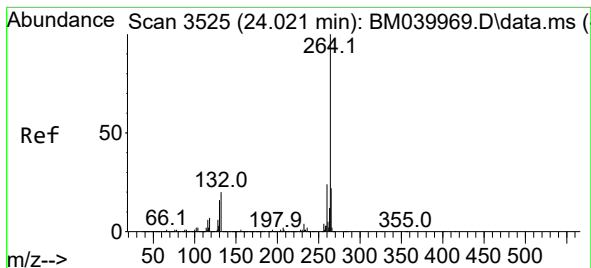
Tgt Ion:149 Resp: 354822
Ion Ratio Lower Upper
149 100
167 29.4 21.4 32.2
279 4.3 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 8.459 ng
RT: 22.439 min Scan# 3256
Delta R.T. 0.012 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Tgt Ion:149 Resp: 242740
Ion Ratio Lower Upper
149 100
167 9.4 1.1 1.7#
43 202.2 7.4 11.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.033 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

Instrument :

BNA_M

ClientSampleId :

EFF-WW

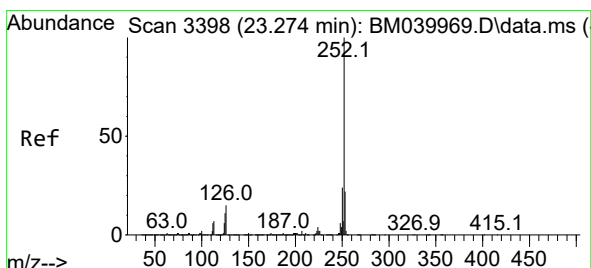
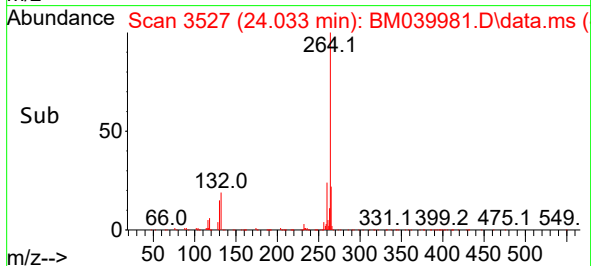
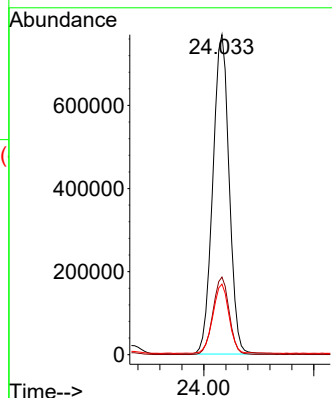
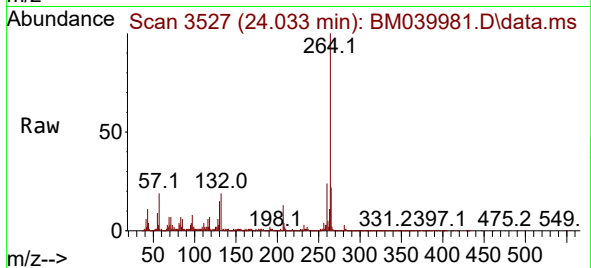
Tgt Ion:264 Resp: 1590014

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.0 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.981 ng

RT: 23.280 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM039981.D

Acq: 24 May 2023 13:20

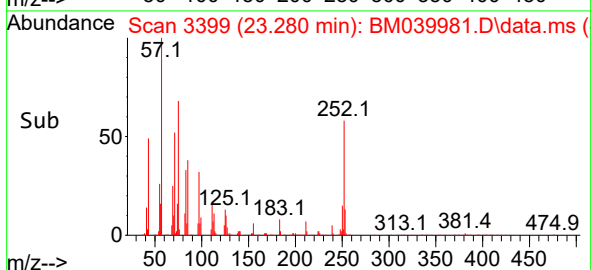
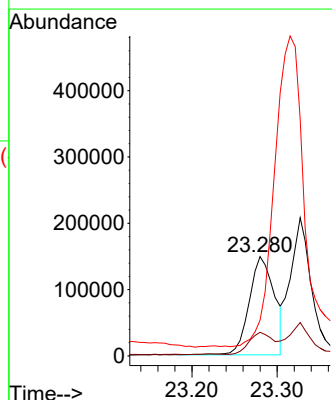
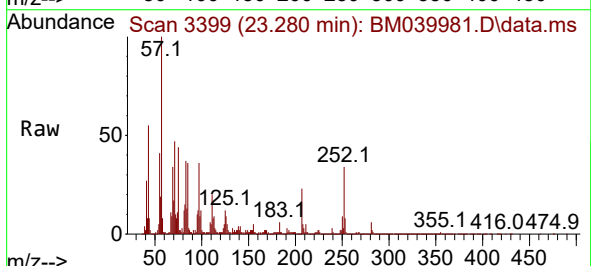
Tgt Ion:252 Resp: 303466

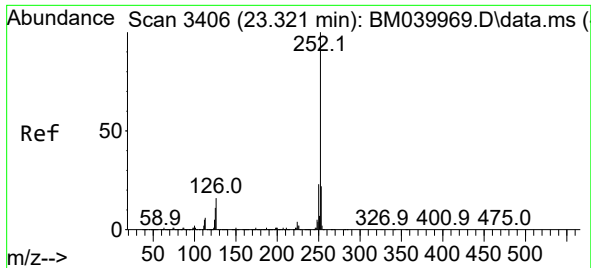
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 36.0 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 3.130 ng
RT: 23.327 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM039981.D
Acq: 24 May 2023 13:20

Instrument :
BNA_M
ClientSampleId :
EFF-WW

Tgt Ion:252 Resp: 348386
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 171.2 9.0 13.4#

