

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039196.D
 Acq On : 29 Mar 2023 01:16
 Operator : CG/JU
 Sample : 02021-11DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023DL

Quant Time: Mar 29 03:52:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 29 01:28:31 2023
 Response via : Initial Calibration

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

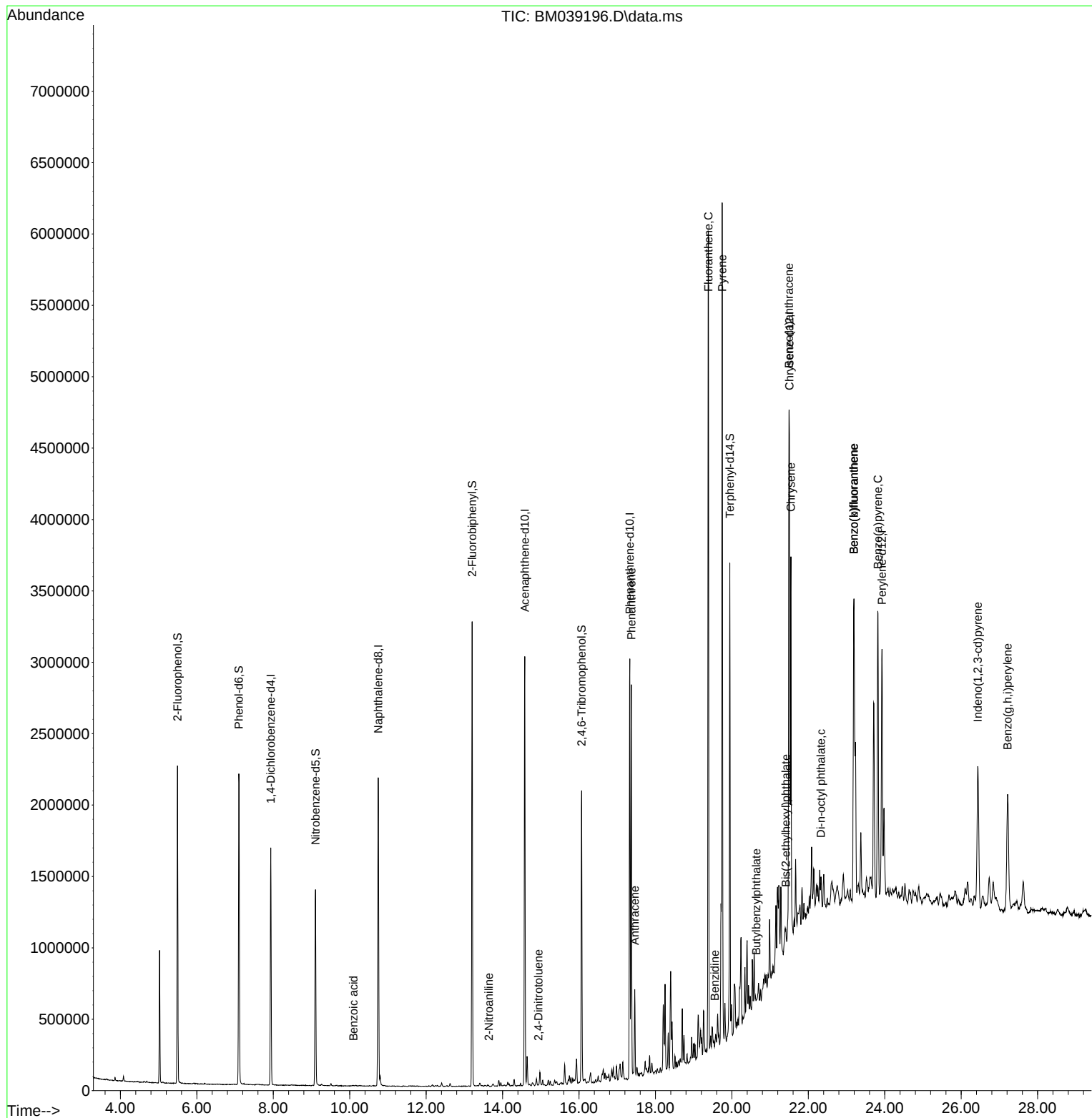
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	432900	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1805556	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	1002001	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1724657	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1170318	20.000	ng	0.00
86) Perylene-d12	23.927	264	1283794	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	951599	33.397	ng	0.00
7) Phenol-d6	7.098	99	1291783	34.903	ng	-0.01
23) Nitrobenzene-d5	9.104	82	800545	21.779	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	340577	29.381	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	1639445	21.300	ng	0.00
79) Terphenyl-d14	19.945	244	1497605	23.396	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.098	122	55	5.735	ng	# 1
48) 2-Nitroaniline	13.639	65	427	2.235	ng	# 34
57) 2,4-Dinitrotoluene	14.939	165	325	2.085	ng	# 91
71) Phenanthrene	17.368	178	1541183	15.226	ng	99
72) Anthracene	17.457	178	353135	3.498	ng	99
75) Fluoranthene	19.386	202	3427218	32.068	ng	100
77) Benzidine	19.551	184	110	4.880	ng	# 1
78) Pyrene	19.745	202	3414948	38.850	ng	100
80) Butylbenzylphthalate	20.639	149	5967	3.465	ng	# 91
81) Benzo(a)anthracene	21.492	228	1577695	18.720	ng	98
83) Chrysene	21.545	228	1424442	17.378	ng	98
84) Bis(2-ethylhexyl)phtha...	21.415	149	29374	3.000	ng	# 95
85) Di-n-octyl phthalate	22.327	149	871	3.805	ng	# 67
87) Indeno(1,2,3-cd)pyrene	26.432	276	1040914	10.656	ng	96
88) Benzo(b)fluoranthene	23.192	252	1951698	23.796	ng	98
89) Benzo(k)fluoranthene	23.192	252	1951698	22.866	ng	98
90) Benzo(a)pyrene	23.821	252	1536881	19.470	ng	98
92) Benzo(g,h,i)perylene	27.215	276	1070579	13.227	ng	100

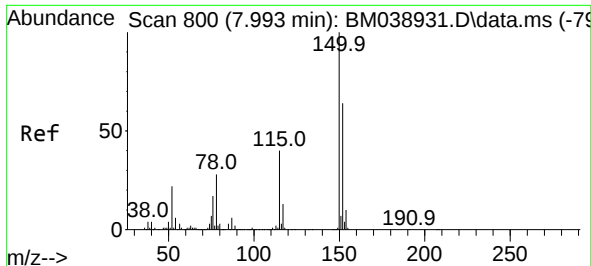
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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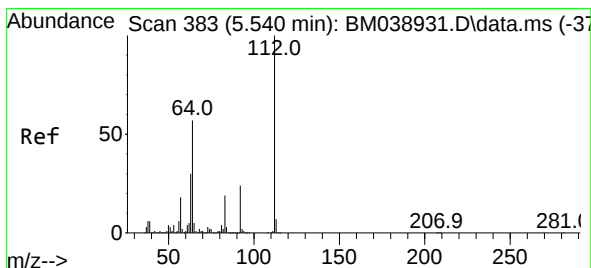
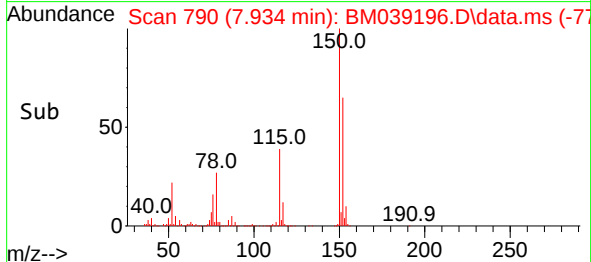
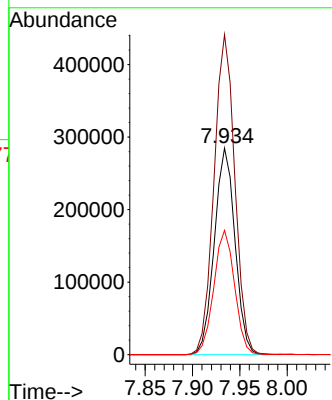
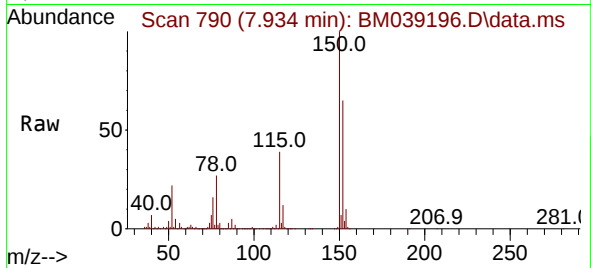




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.934 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

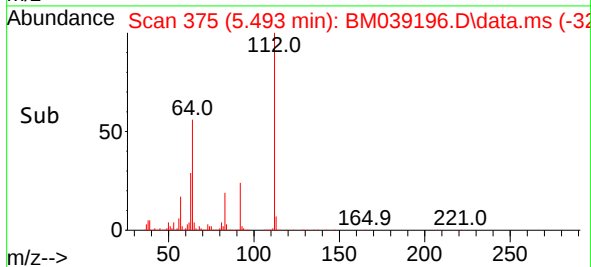
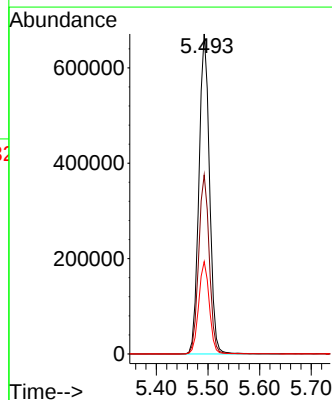
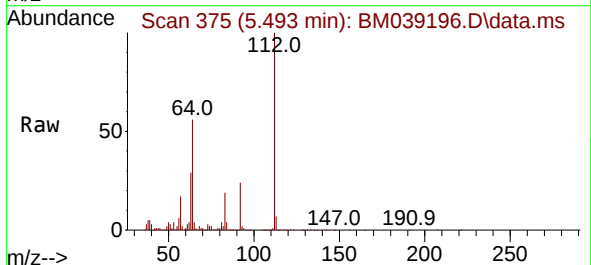
Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023DL

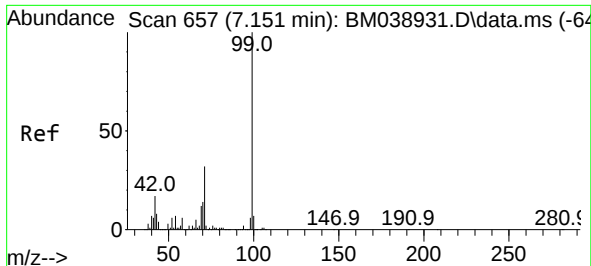
Tgt Ion:152 Resp: 432900
 Ion Ratio Lower Upper
 152 100
 150 154.9 125.1 187.7
 115 60.2 49.6 74.4



#5
 2-Fluorophenol
 Concen: 33.397 ng
 RT: 5.493 min Scan# 375
 Delta R.T. -0.006 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

Tgt Ion:112 Resp: 951599
 Ion Ratio Lower Upper
 112 100
 64 56.0 45.9 68.9
 63 28.9 23.8 35.8

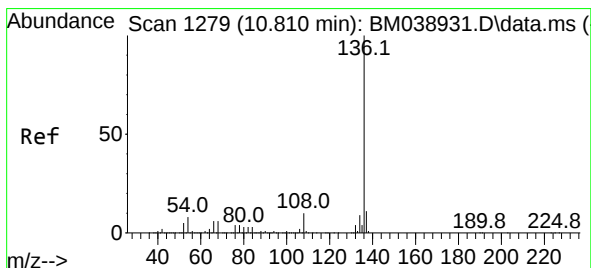
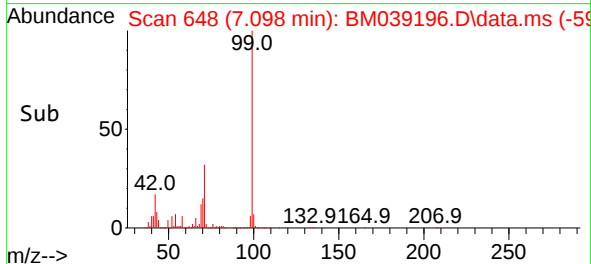
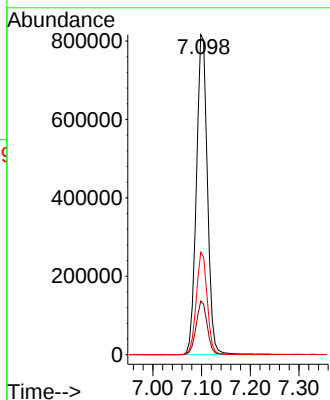
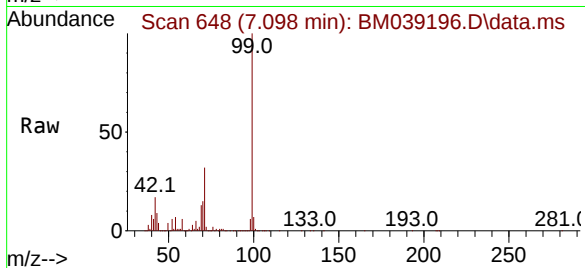




#7
Phenol-d6
Concen: 34.903 ng
RT: 7.098 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

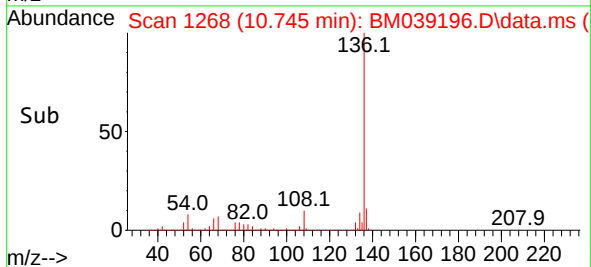
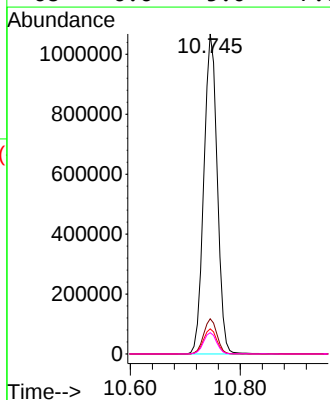
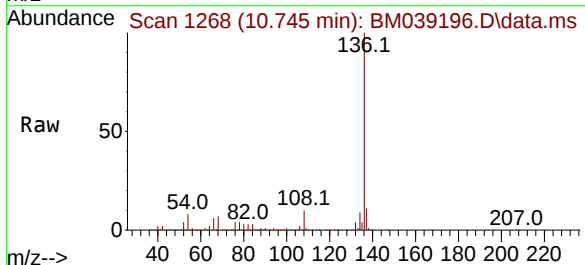
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

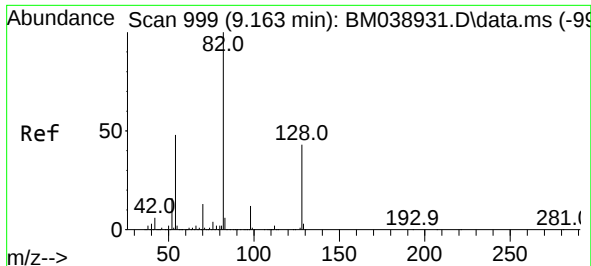
Tgt Ion: 99 Resp: 1291783
Ion Ratio Lower Upper
99 100
42 16.8 13.5 20.3
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Tgt Ion: 136 Resp: 1805556
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.8 6.3 9.5
68 6.6 5.0 7.6





#23

Nitrobenzene-d5

Concen: 21.779 ng

RT: 9.104 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

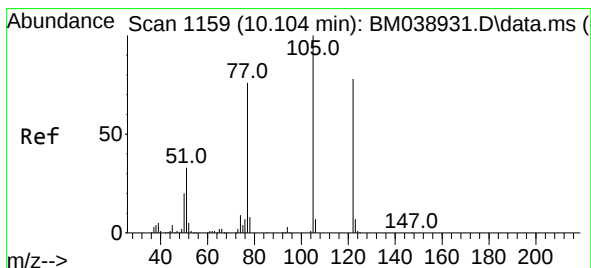
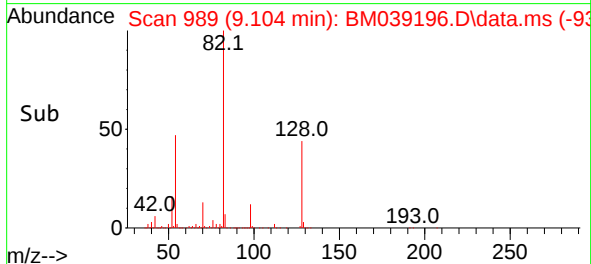
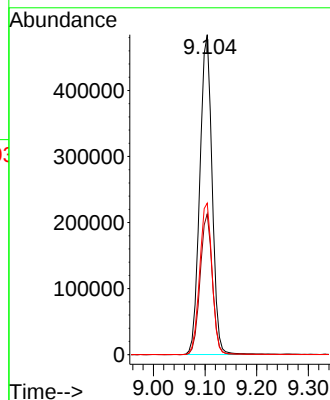
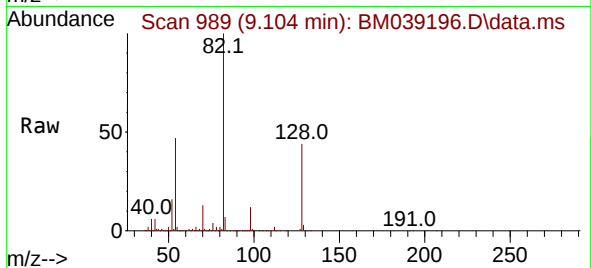
Tgt Ion: 82 Resp: 800545

Ion Ratio Lower Upper

82 100

128 44.0 34.4 51.6

54 47.4 38.8 58.2



#32

Benzoic acid

Concen: 5.735 ng

RT: 10.098 min Scan# 1158

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

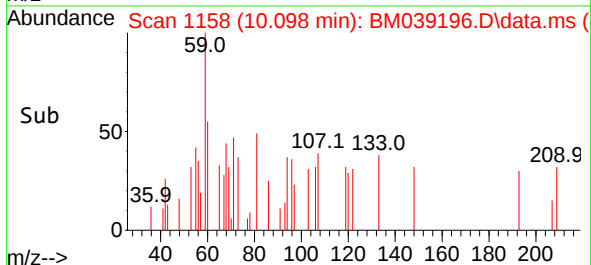
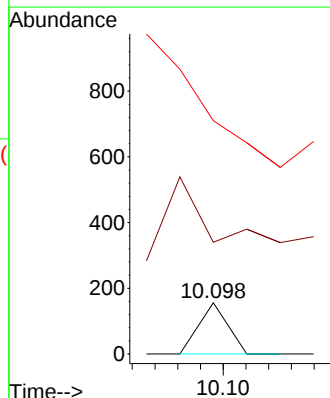
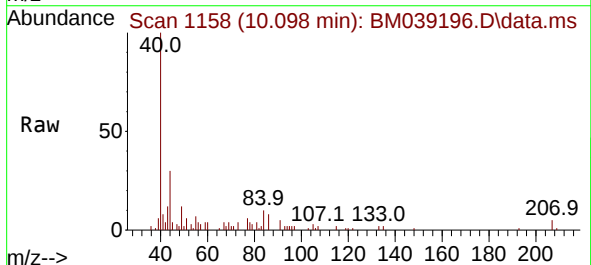
Tgt Ion: 122 Resp: 55

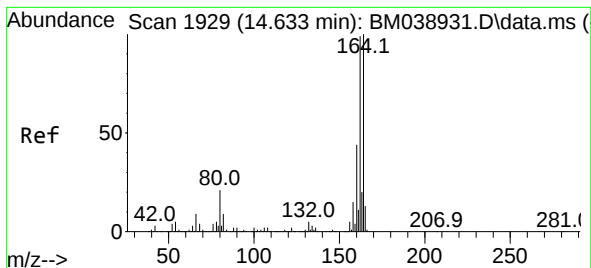
Ion Ratio Lower Upper

122 100

105 217.9 104.2 144.2#

77 455.1 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

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ClientSampleId :

JPP-46A-032023DL

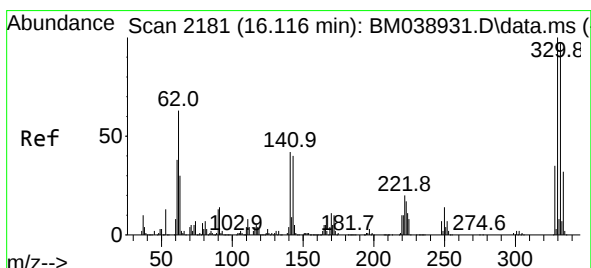
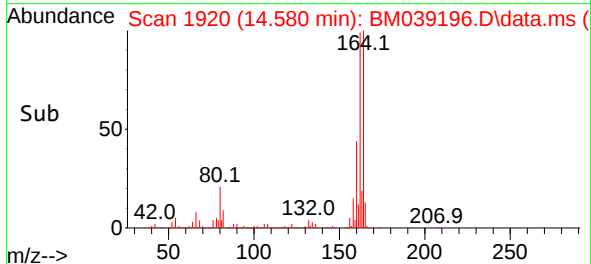
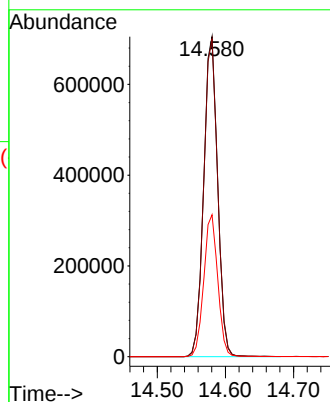
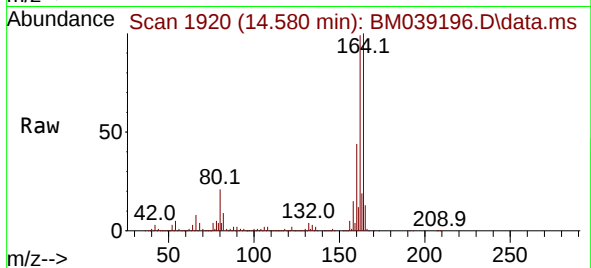
Tgt Ion:164 Resp: 1002001

Ion Ratio Lower Upper

164 100

162 99.3 79.2 118.8

160 44.4 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 29.381 ng

RT: 16.068 min Scan# 2173

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

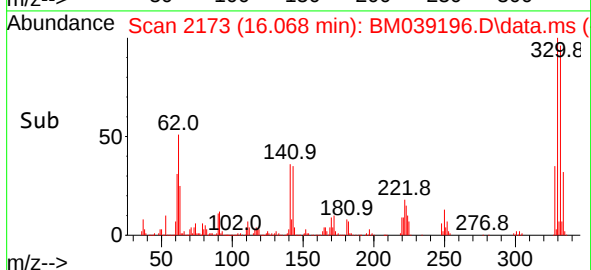
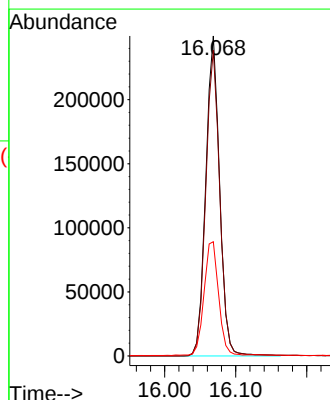
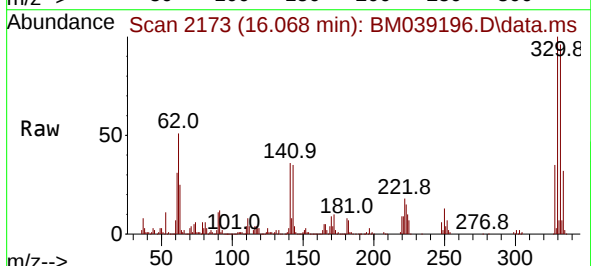
Tgt Ion:330 Resp: 340577

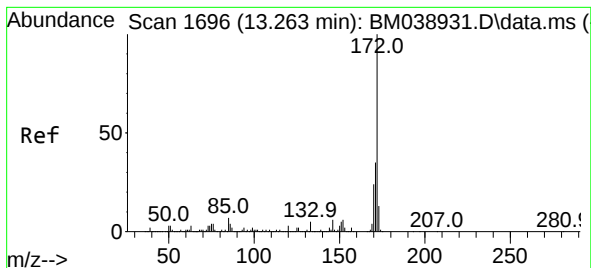
Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 37.6 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 21.300 ng

RT: 13.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

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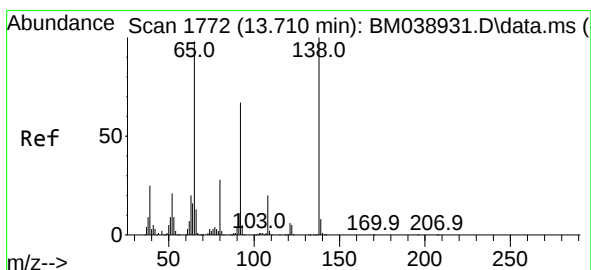
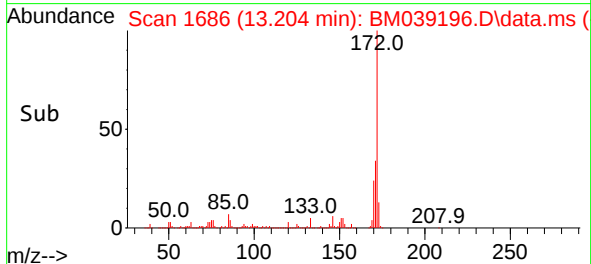
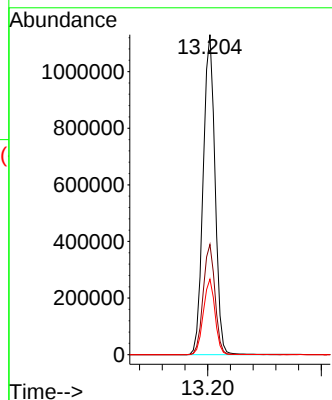
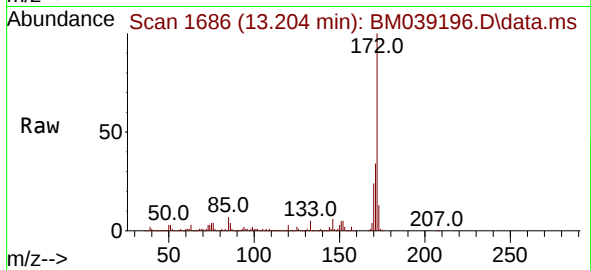
Tgt Ion:172 Resp: 1639445

Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.2

170 23.6 19.1 28.7



#48

2-Nitroaniline

Concen: 2.235 ng

RT: 13.639 min Scan# 1760

Delta R.T. -0.029 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

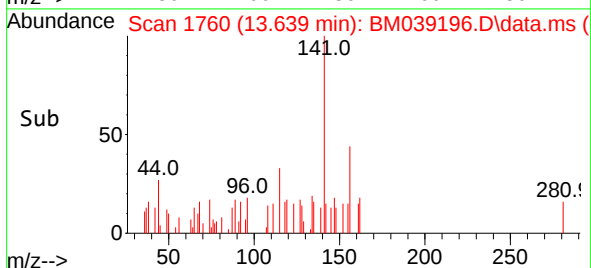
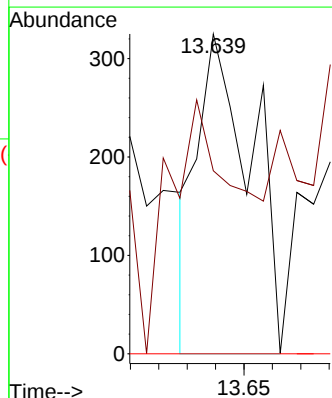
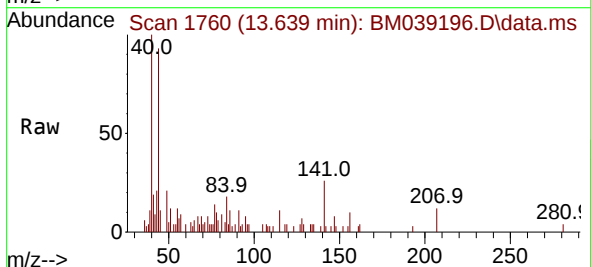
Tgt Ion: 65 Resp: 427

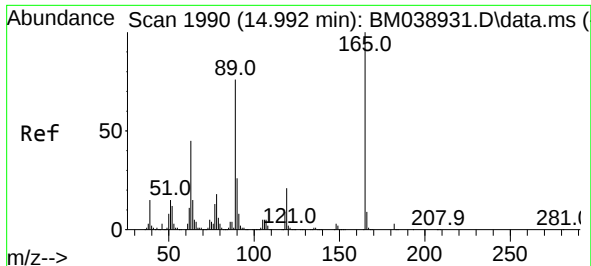
Ion Ratio Lower Upper

65 100

92 57.2 54.9 82.3

138 0.0 81.6 122.4#

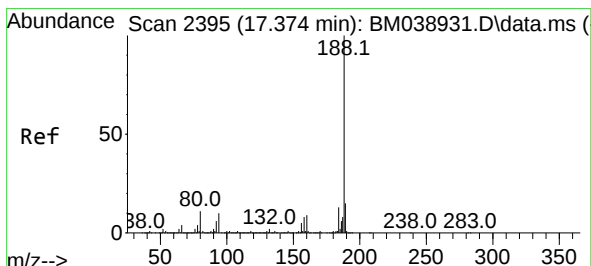
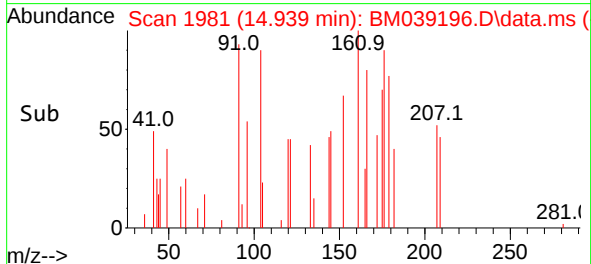
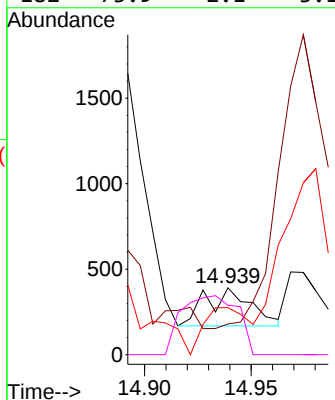
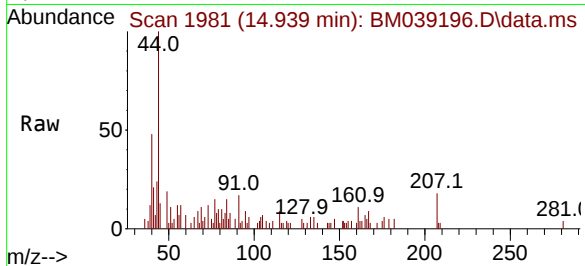




#57
2,4-Dinitrotoluene
Concen: 2.085 ng
RT: 14.939 min Scan# 1990
Delta R.T. -0.012 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

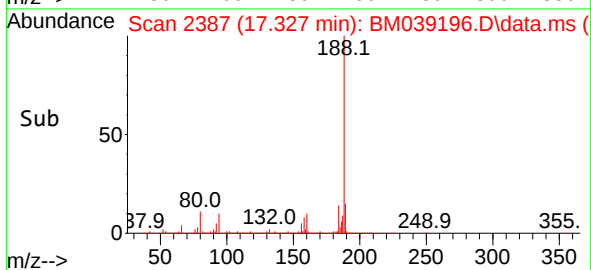
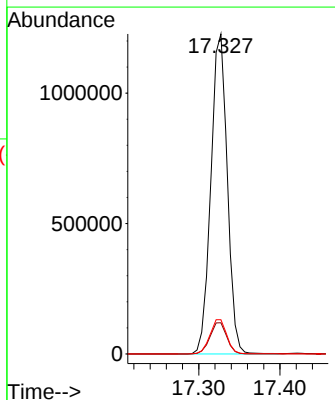
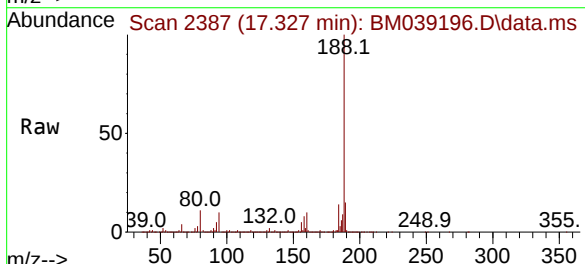
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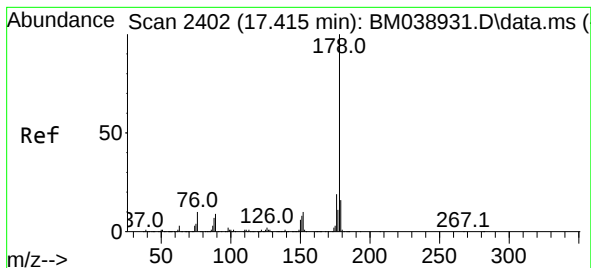
Tgt Ion:165 Resp: 325
Ion Ratio Lower Upper
165 100
63 46.0 35.9 53.9
89 70.3 61.0 91.6
182 73.9 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Tgt Ion:188 Resp: 1724657
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.7 8.5 12.7





#71

Phenanthrene

Concen: 15.226 ng

RT: 17.368 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

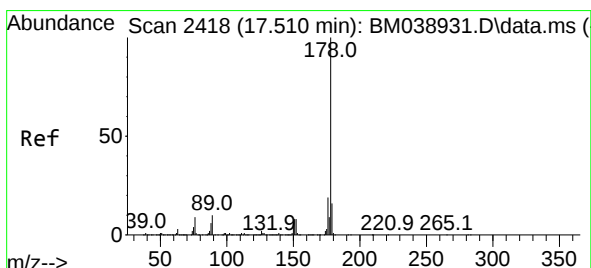
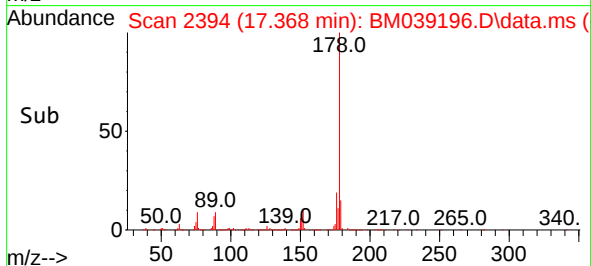
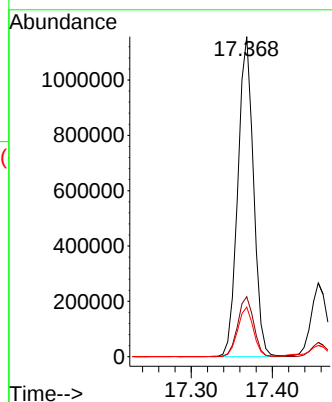
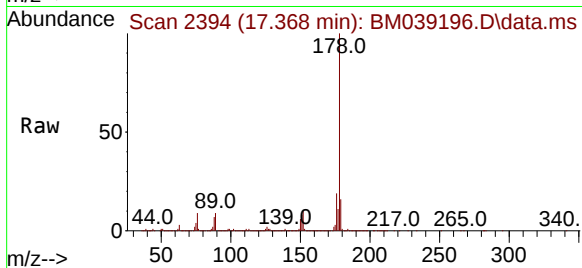
Tgt Ion:178 Resp: 1541183

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.5 12.5 18.7



#72

Anthracene

Concen: 3.498 ng

RT: 17.457 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

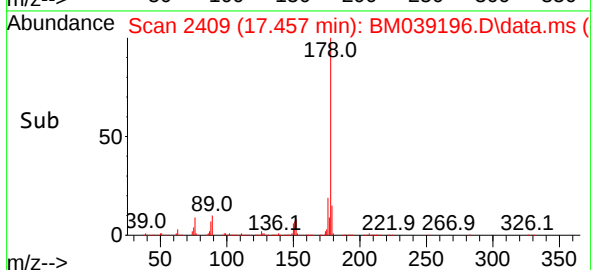
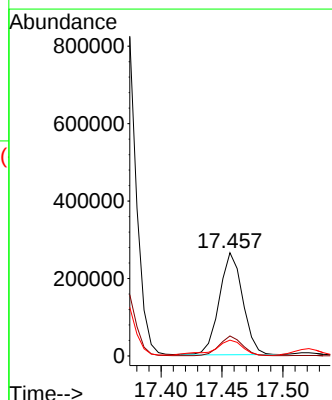
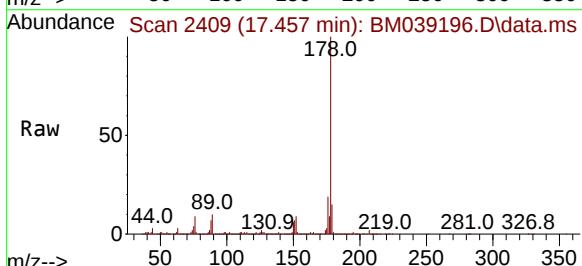
Tgt Ion:178 Resp: 353135

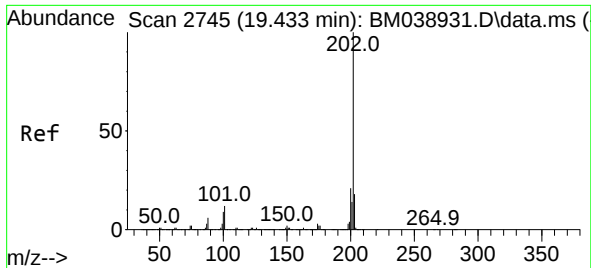
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.3 12.5 18.7

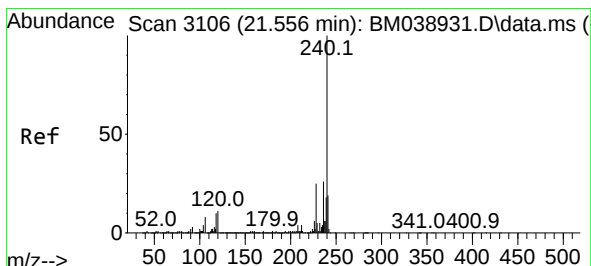
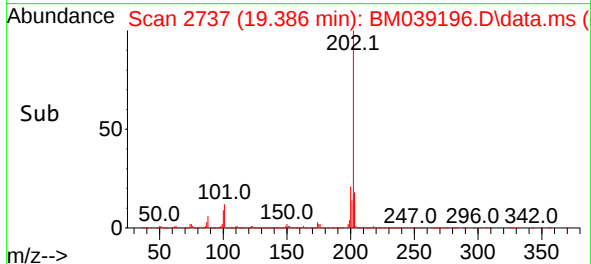
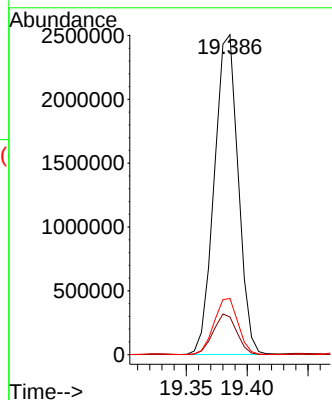
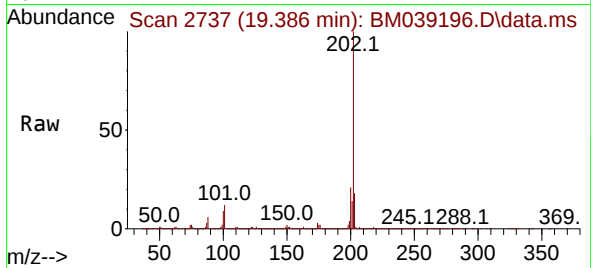




#75
Fluoranthene
Concen: 32.068 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

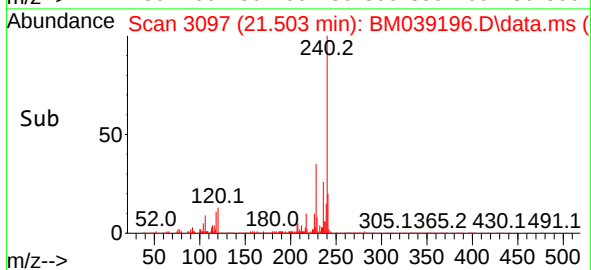
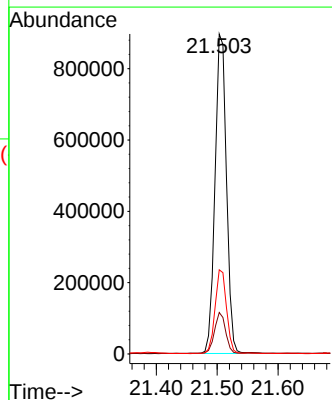
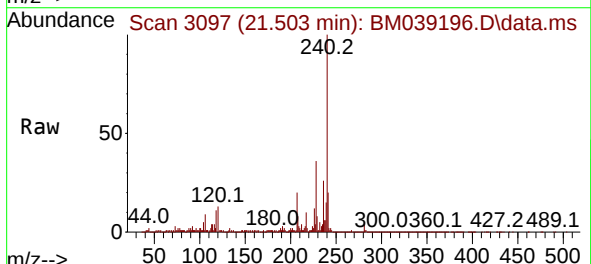
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

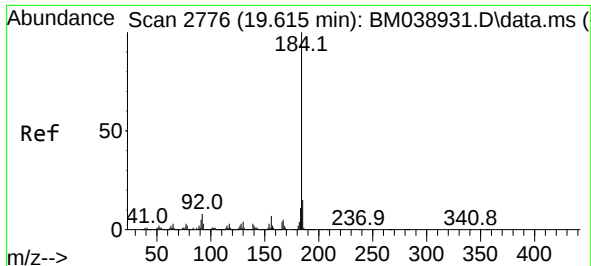
Tgt Ion:202 Resp: 3427218
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Tgt Ion:240 Resp: 1170318
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 26.3 20.8 31.2

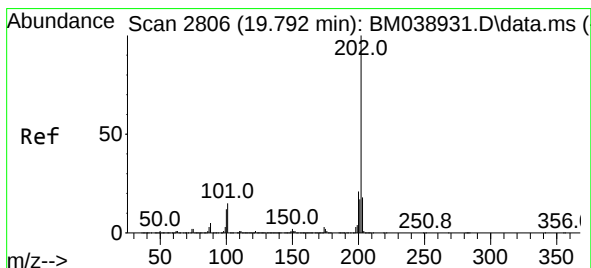
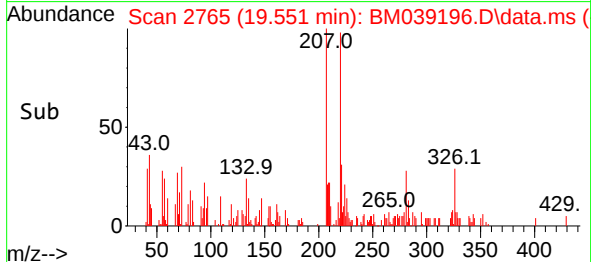
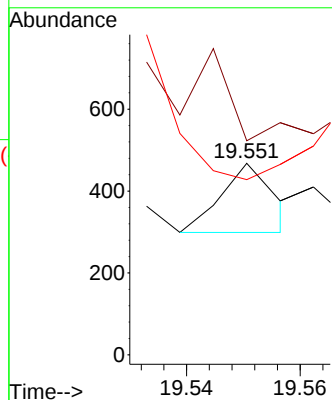
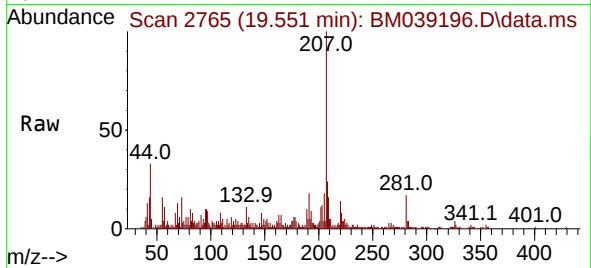




#77
Benzidine
Concen: 4.880 ng
RT: 19.551 min Scan# 21
Delta R.T. -0.023 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

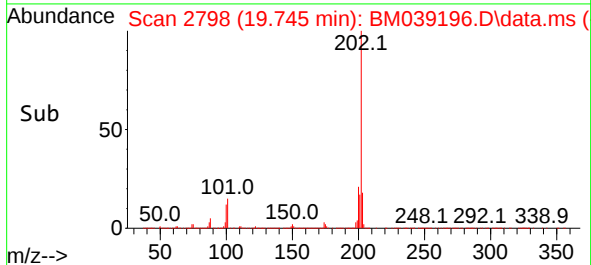
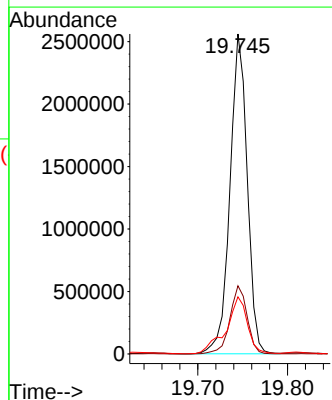
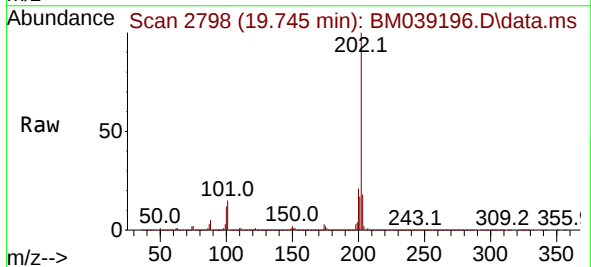
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

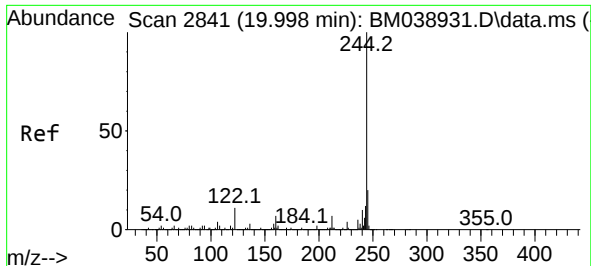
Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
185 111.8 12.2 18.4#
183 91.5 8.8 13.2#



#78
Pyrene
Concen: 38.850 ng
RT: 19.745 min Scan# 2798
Delta R.T. -0.006 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Tgt Ion:202 Resp: 3414948
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.9 14.1 21.1

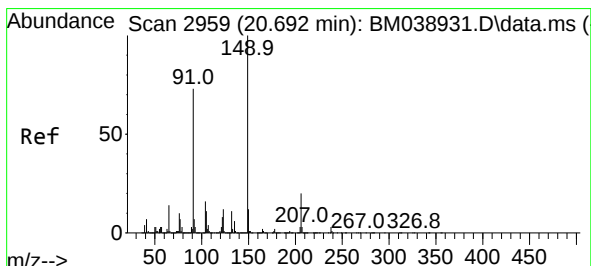
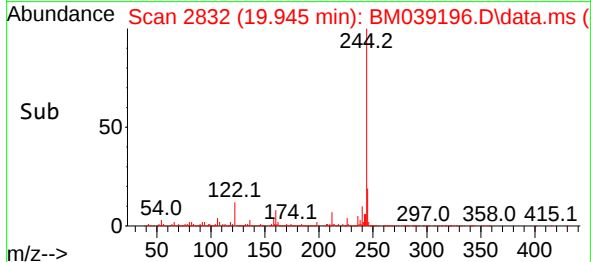
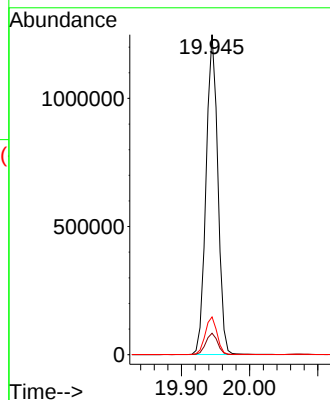
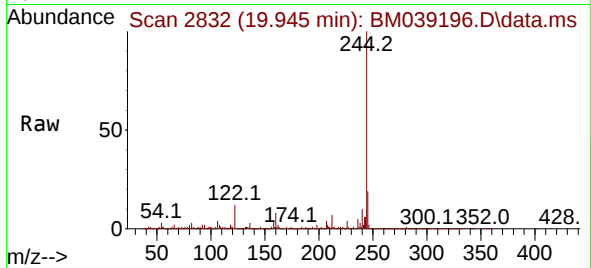




#79
 Terphenyl-d14
 Concen: 23.396 ng
 RT: 19.945 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

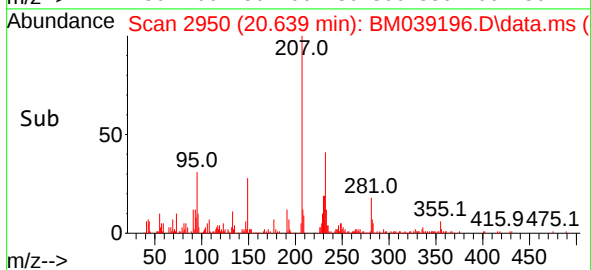
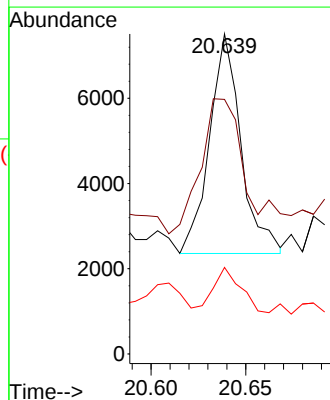
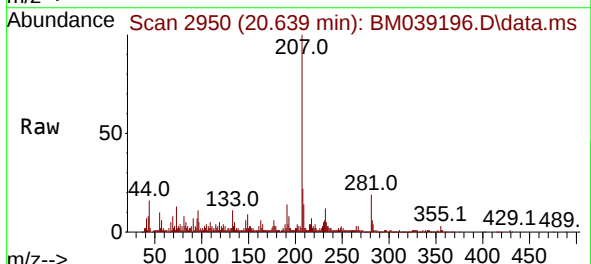
Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023DL

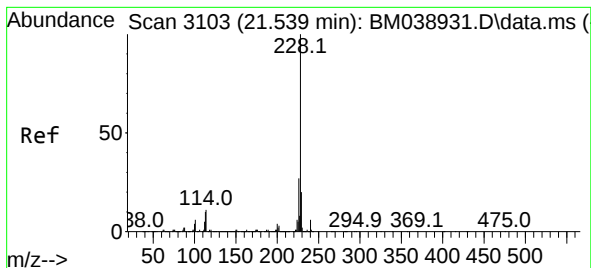
Tgt Ion:244 Resp: 1497605
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 11.8 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.465 ng
 RT: 20.639 min Scan# 2950
 Delta R.T. -0.006 min
 Lab File: BM039196.D
 Acq: 29 Mar 2023 01:16

Tgt Ion:149 Resp: 5967
 Ion Ratio Lower Upper
 149 100
 91 79.6 58.4 87.6
 206 27.1 16.1 24.1#





#81

Benzo(a)anthracene

Concen: 18.720 ng

RT: 21.492 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

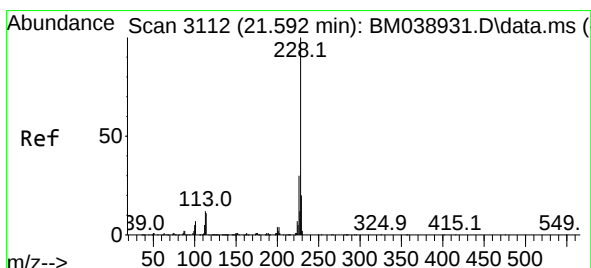
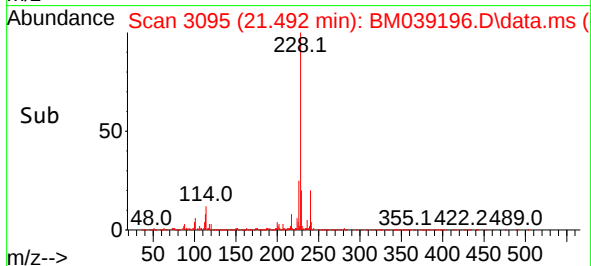
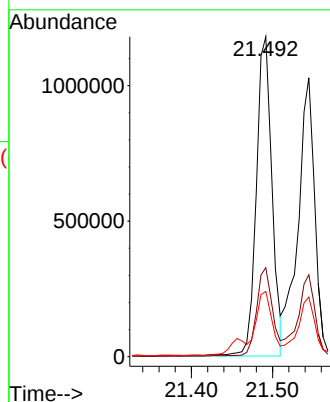
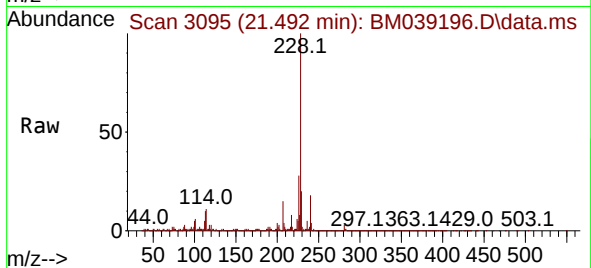
Tgt Ion:228 Resp: 1577695

Ion Ratio Lower Upper

228 100

226 27.8 21.4 32.2

229 20.4 15.7 23.5



#83

Chrysene

Concen: 17.378 ng

RT: 21.545 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

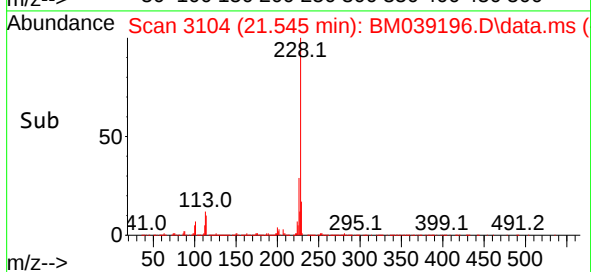
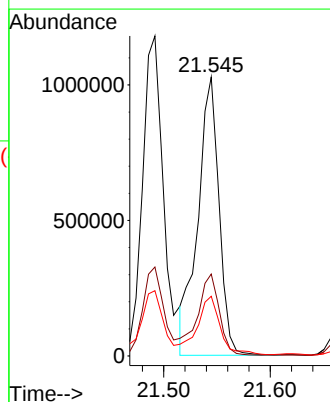
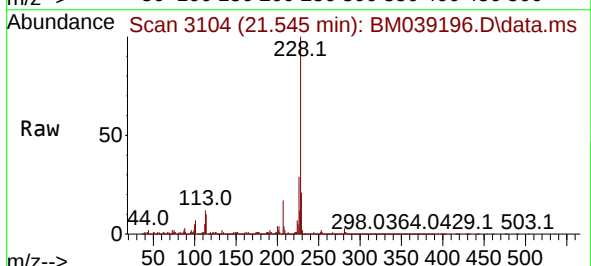
Tgt Ion:228 Resp: 1424442

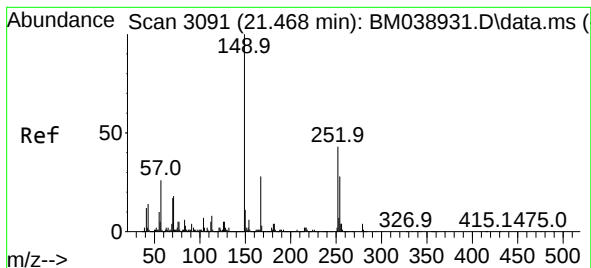
Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

229 21.4 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.000 ng

RT: 21.415 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

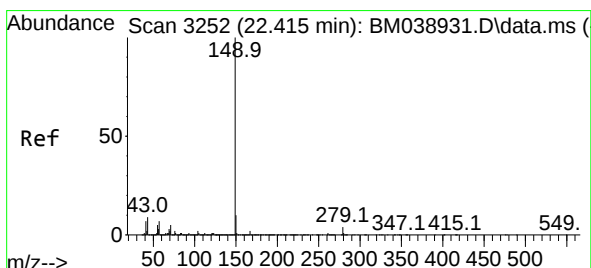
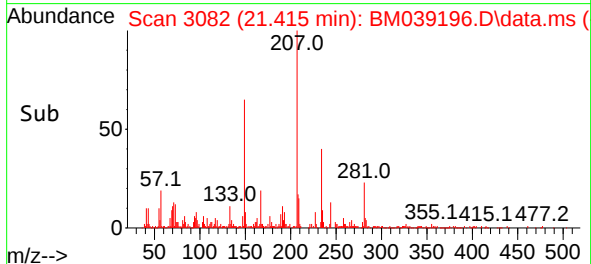
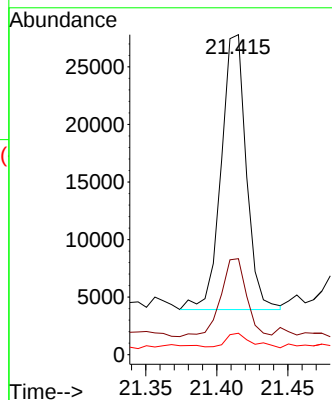
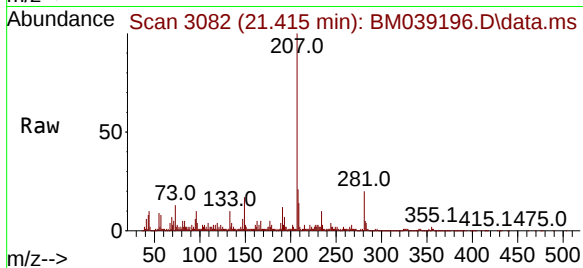
Tgt Ion:149 Resp: 29374

Ion Ratio Lower Upper

149 100

167 30.0 22.3 33.5

279 6.7 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 3.805 ng

RT: 22.327 min Scan# 3237

Delta R.T. -0.018 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

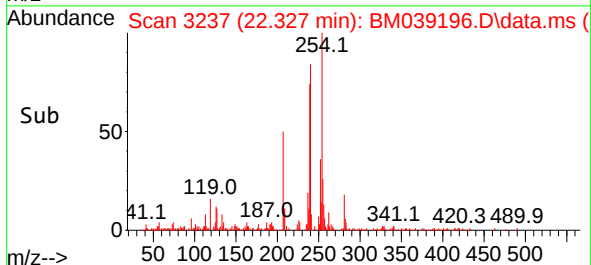
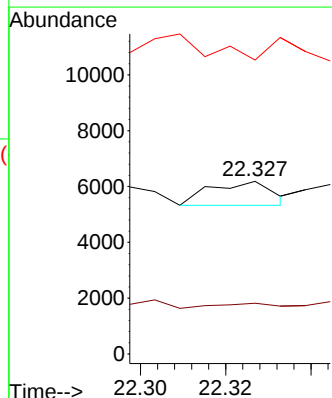
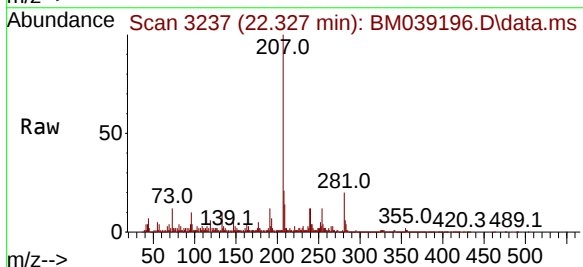
Tgt Ion:149 Resp: 871

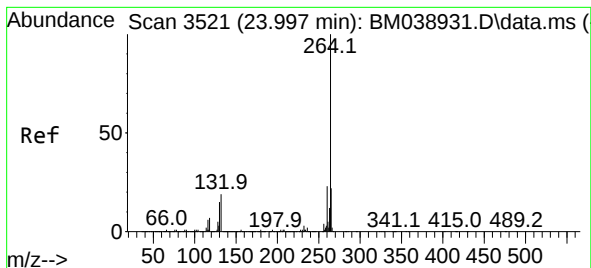
Ion Ratio Lower Upper

149 100

167 32.5 1.2 1.8#

43 0.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

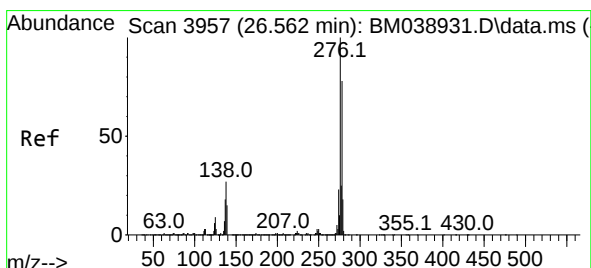
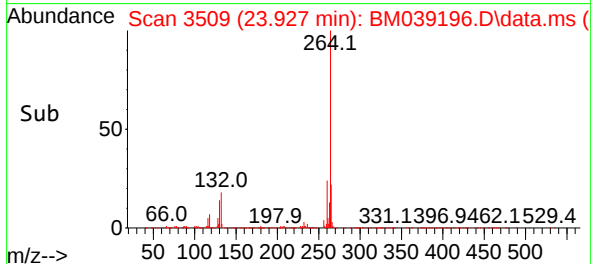
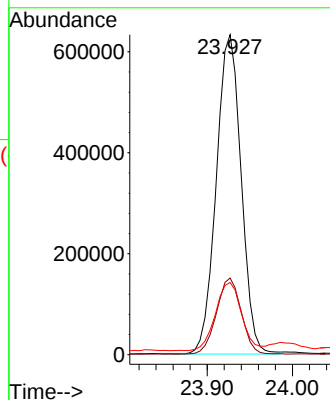
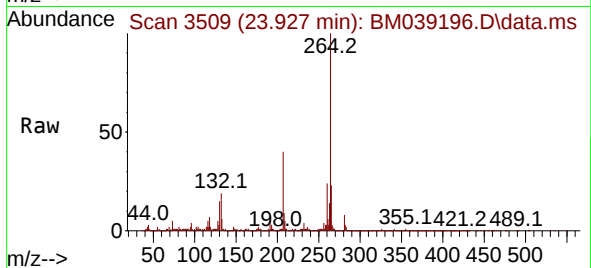
Tgt Ion:264 Resp: 1283794

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.6 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.656 ng

RT: 26.432 min Scan# 3935

Delta R.T. -0.023 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

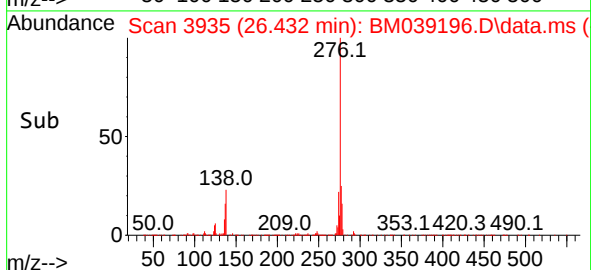
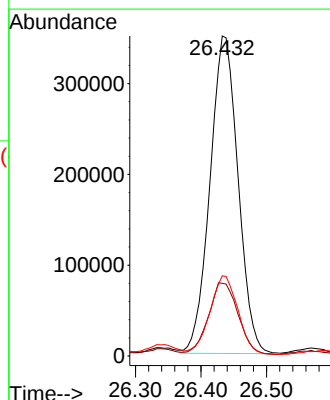
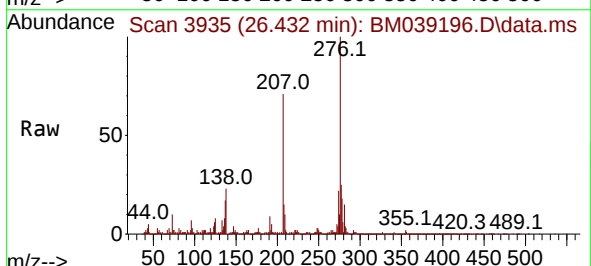
Tgt Ion:276 Resp: 1040914

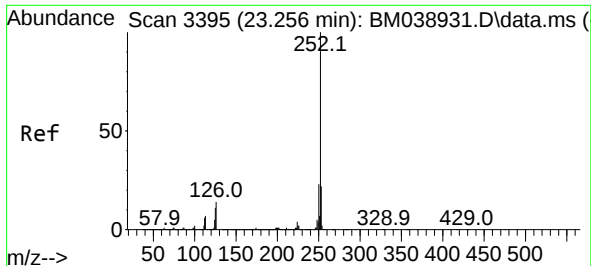
Ion Ratio Lower Upper

276 100

138 23.8 22.1 33.1

277 25.0 20.1 30.1

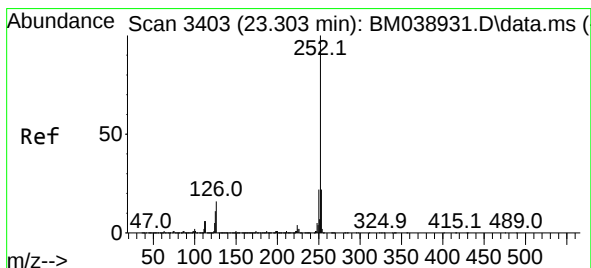
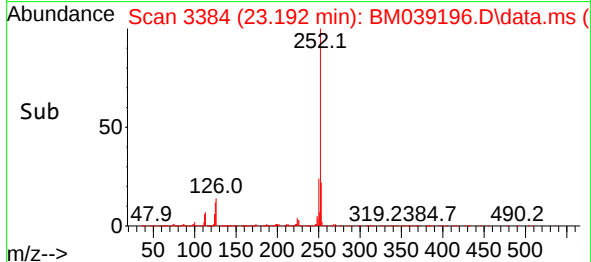
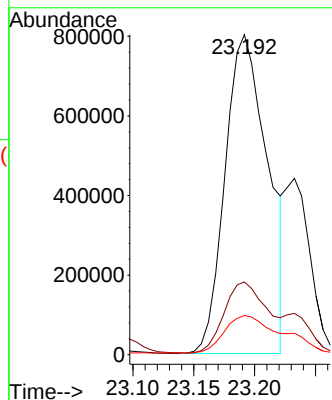
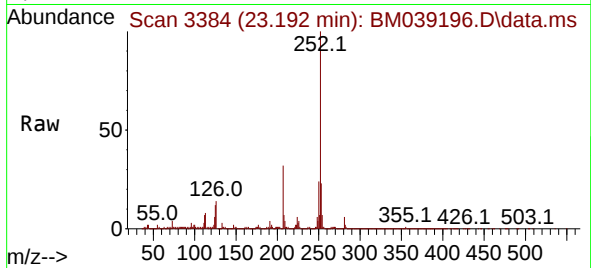




#88
Benzo(b)fluoranthene
Concen: 23.796 ng
RT: 23.192 min Scan# 3395
Delta R.T. 0.000 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

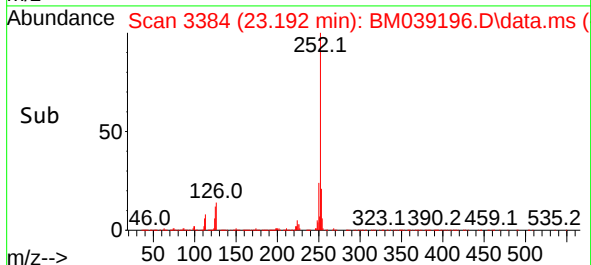
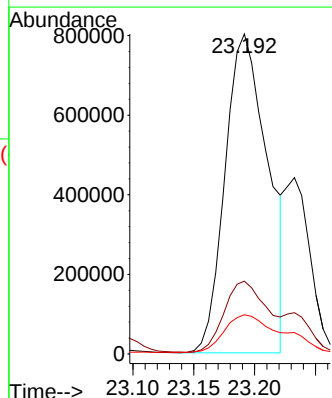
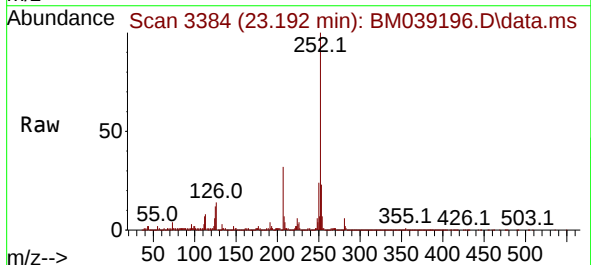
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023DL

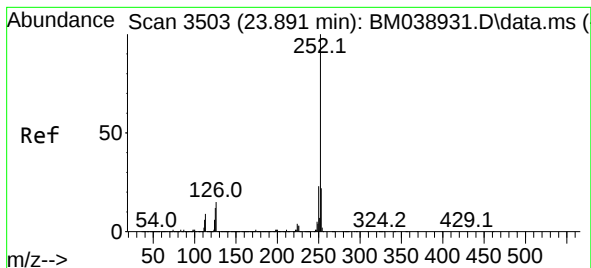
Tgt Ion:252 Resp: 1951698
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.3 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 22.866 ng
RT: 23.192 min Scan# 3384
Delta R.T. -0.047 min
Lab File: BM039196.D
Acq: 29 Mar 2023 01:16

Tgt Ion:252 Resp: 1951698
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.3 8.9 13.3





#90

Benzo(a)pyrene

Concen: 19.470 ng

RT: 23.821 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023DL

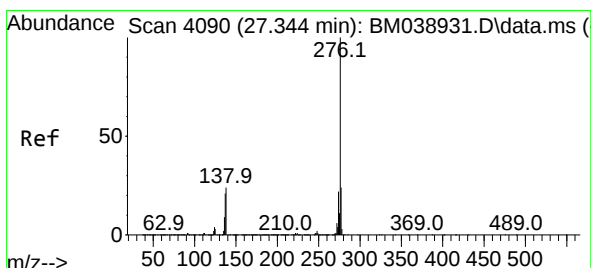
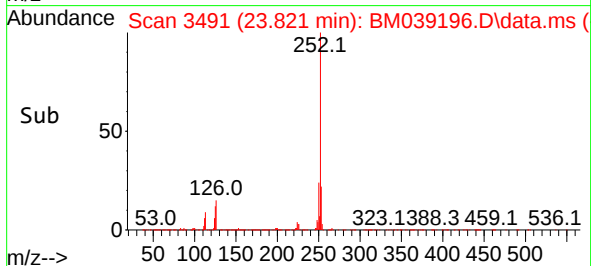
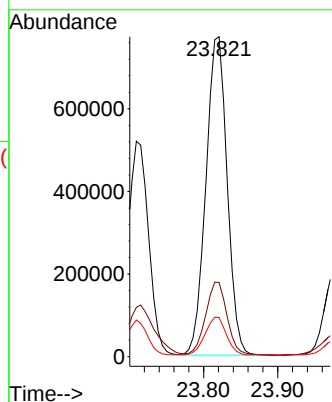
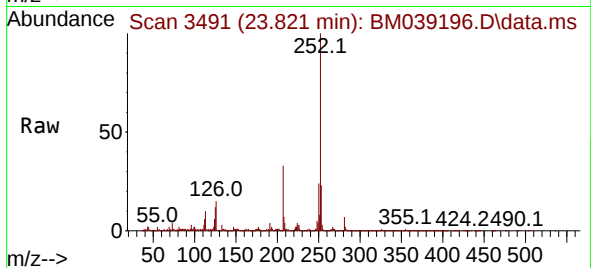
Tgt Ion:252 Resp: 1536881

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 12.3 9.8 14.8



#92

Benzo(g,h,i)perylene

Concen: 13.227 ng

RT: 27.215 min Scan# 4068

Delta R.T. -0.012 min

Lab File: BM039196.D

Acq: 29 Mar 2023 01:16

Tgt Ion:276 Resp: 1070579

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 23.9 19.0 28.6

