

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039166.D
 Acq On : 27 Mar 2023 18:38
 Operator : CG/JU
 Sample : 02021-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023

Quant Time: Mar 28 01:51:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

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

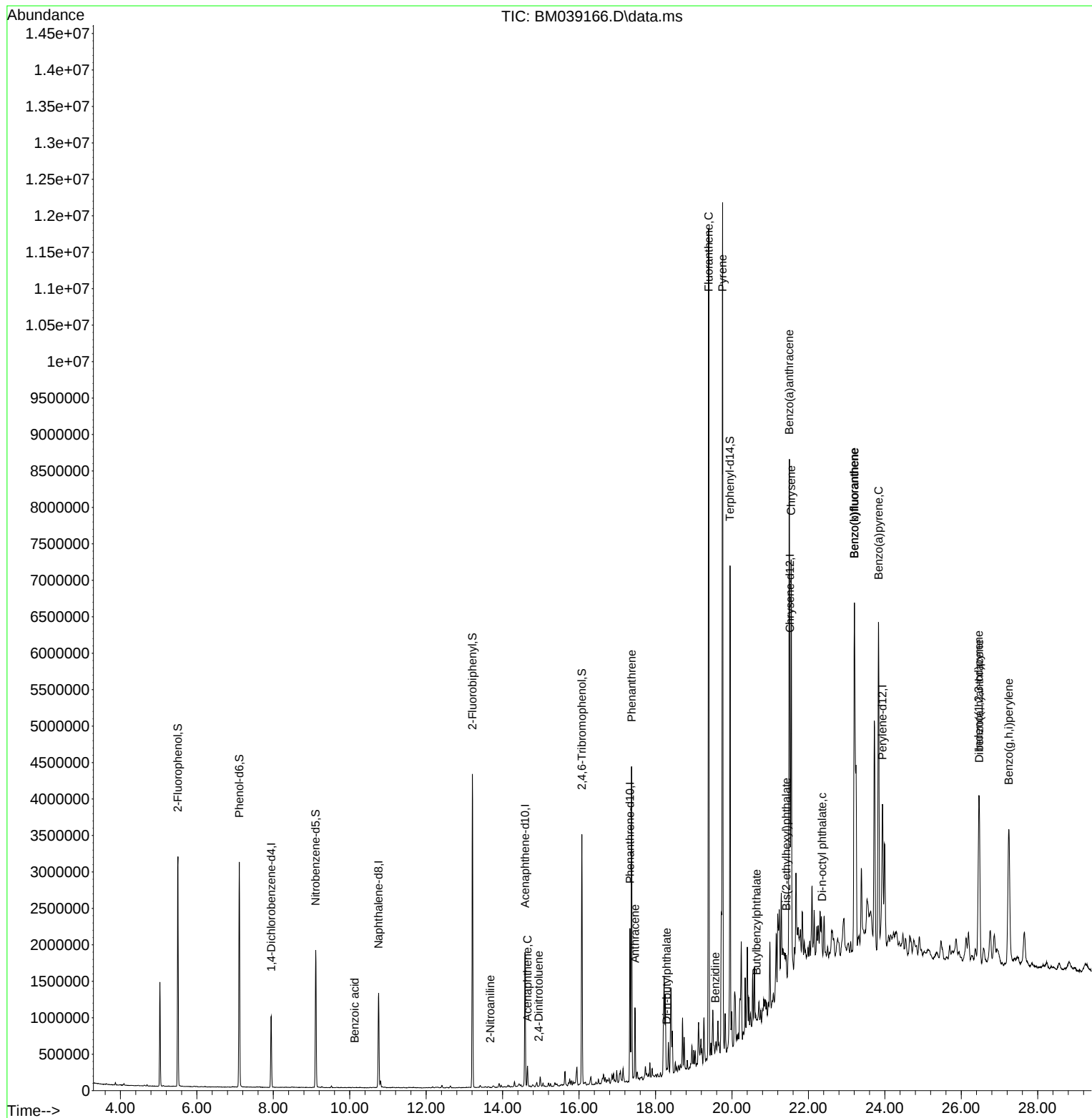
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	265579	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1062989	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	605576	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	1217899	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1133995	20.000	ng	0.00
86) Perylene-d12	23.938	264	1327988	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1376173	78.726	ng	0.00
7) Phenol-d6	7.110	99	1784216	78.581	ng	0.00
23) Nitrobenzene-d5	9.110	82	1070968	49.490	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	566808	80.908	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	2152296	46.268	ng	0.00
79) Terphenyl-d14	19.950	244	2988084	48.177	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.128	122	116	5.741	ng	# 1
48) 2-Nitroaniline	13.680	65	267	2.236	ng	# 36
52) Acenaphthene	14.651	154	95216	2.514	ng	99
57) 2,4-Dinitrotoluene	14.945	165	693	2.120	ng	# 75
71) Phenanthrene	17.374	178	2455466	34.352	ng	99
72) Anthracene	17.462	178	590510	8.284	ng	99
74) Di-n-butylphthalate	18.298	149	39325	2.276	ng	# 95
75) Fluoranthene	19.392	202	6503439	86.171	ng	98
77) Benzidine	19.568	184	207	4.884	ng	# 1
78) Pyrene	19.756	202	6860863	80.553	ng	99
80) Butylbenzylphthalate	20.645	149	11538	3.612	ng	# 89
81) Benzo(a)anthracene	21.497	228	3389848	41.509	ng	97
83) Chrysene	21.550	228	3178859	40.023	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	93774	4.183	ng	# 99
85) Di-n-octyl phthalate	22.362	149	6121	3.861	ng	# 32
87) Indeno(1,2,3-cd)pyrene	26.462	276	2394507	23.696	ng	96
88) Benzo(b)fluoranthene	23.203	252	5872021	69.212	ng	98
89) Benzo(k)fluoranthene	23.203	252	5872243	66.508	ng	98
90) Benzo(a)pyrene	23.838	252	3510733	42.996	ng	98
91) Dibenzo(a,h)anthracene	26.474	278	588911	6.882	ng	# 78
92) Benzo(g,h,i)perylene	27.244	276	2457089	29.347	ng	99

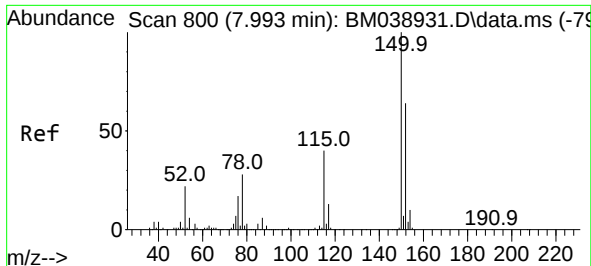
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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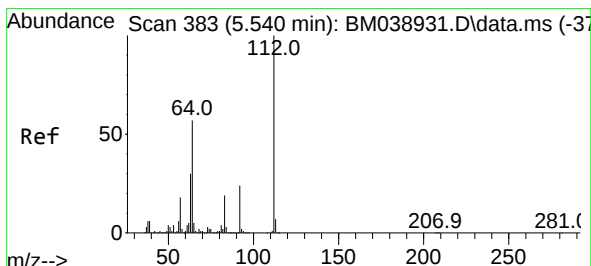
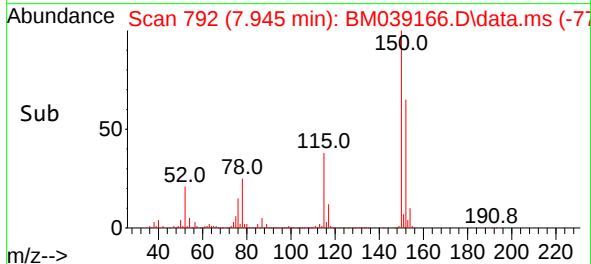
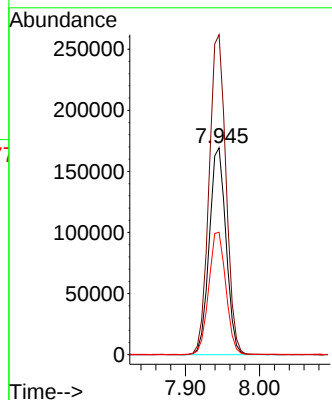
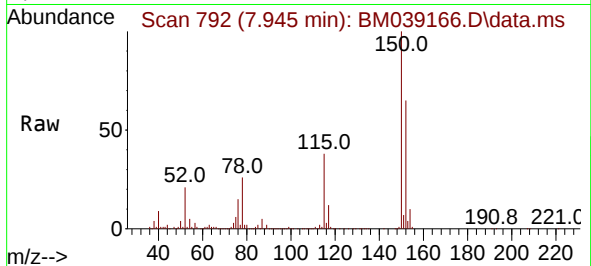




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

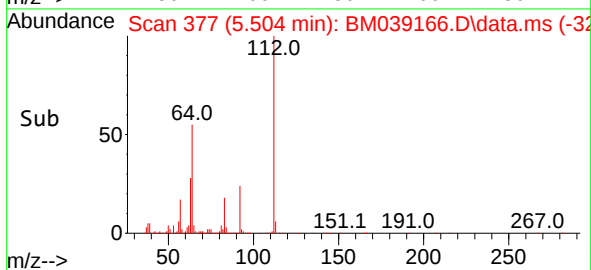
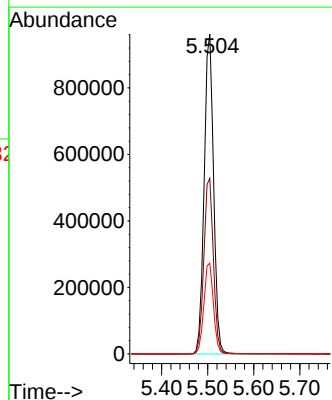
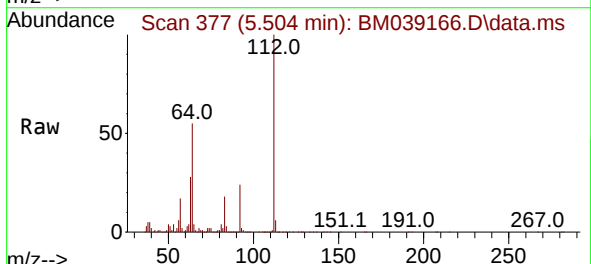
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BNA_M
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JPP-46A-032023

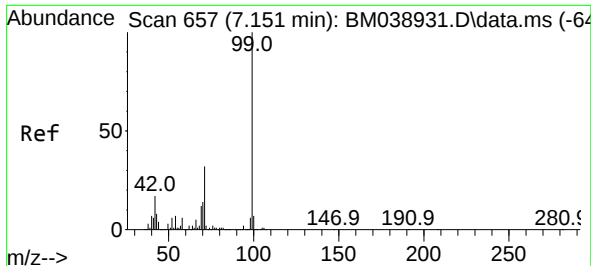
Tgt Ion:152 Resp: 265579
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 59.2 49.6 74.4



#5
2-Fluorophenol
Concen: 78.726 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:112 Resp: 1376173
Ion Ratio Lower Upper
112 100
64 54.9 45.9 68.9
63 28.4 23.8 35.8

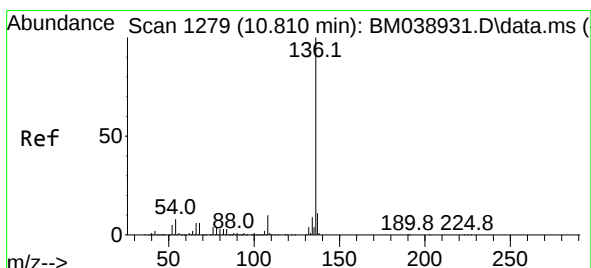
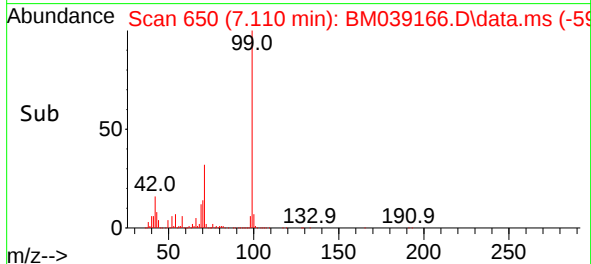
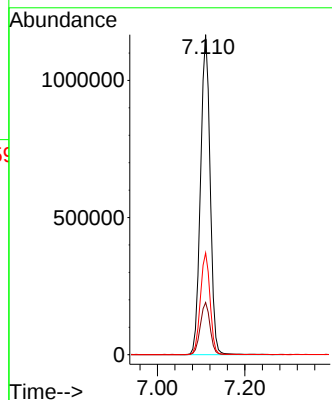
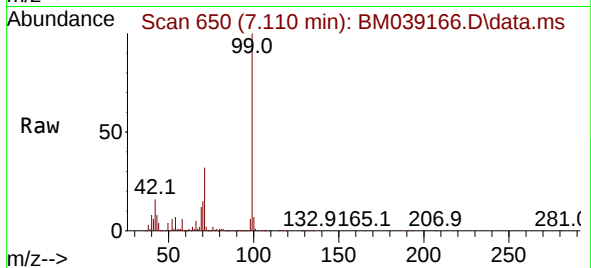




#7
Phenol-d6
Concen: 78.581 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

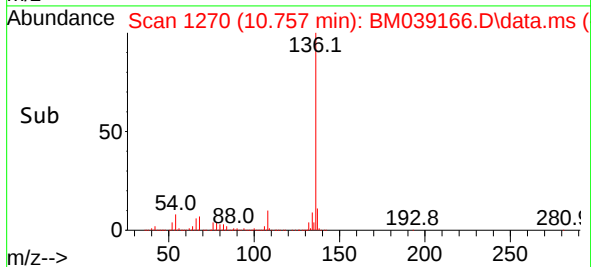
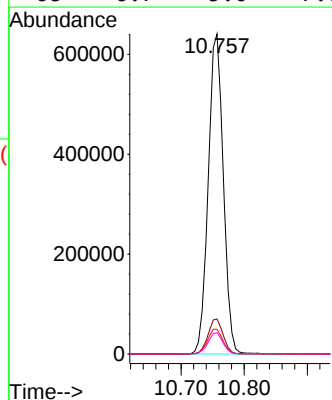
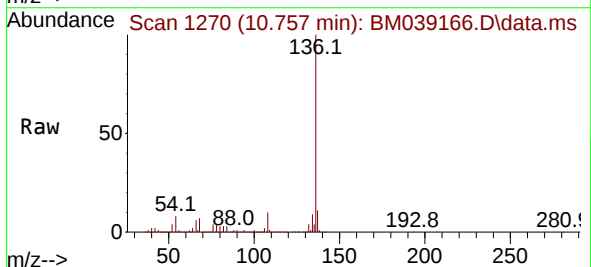
Instrument :
BNA_M
ClientSampleId :
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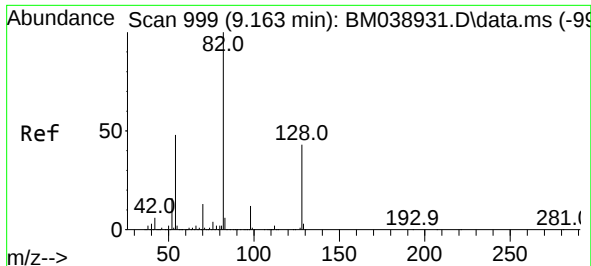
Tgt Ion: 99 Resp: 1784216
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion: 136 Resp: 1062989
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.7 6.3 9.5
68 6.7 5.0 7.6

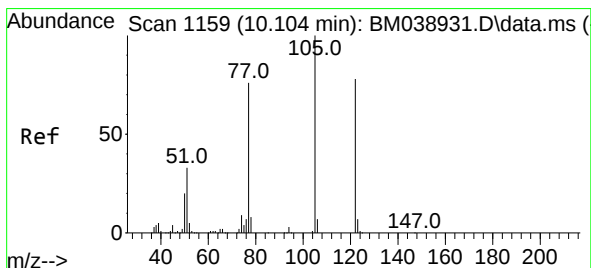
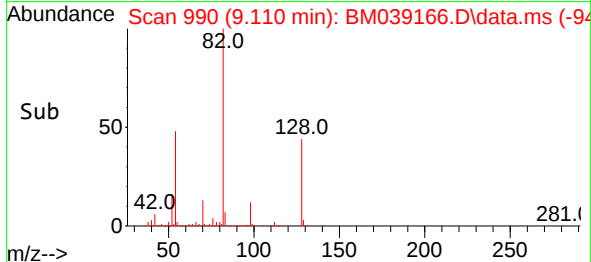
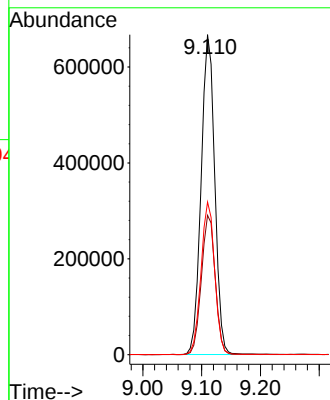
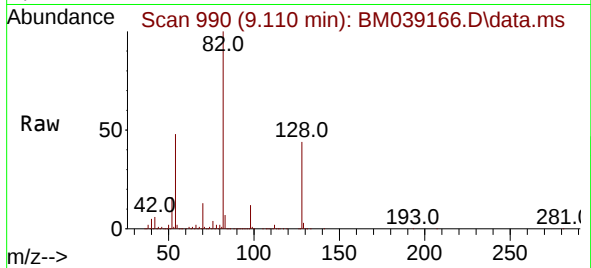




#23
Nitrobenzene-d5
Concen: 49.490 ng
RT: 9.110 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

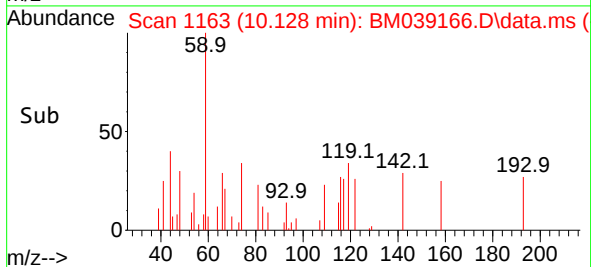
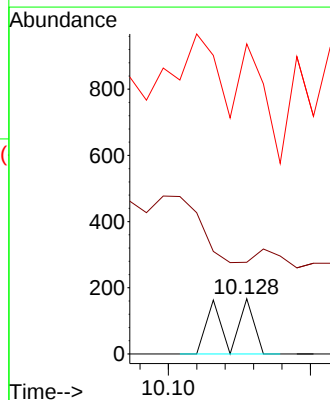
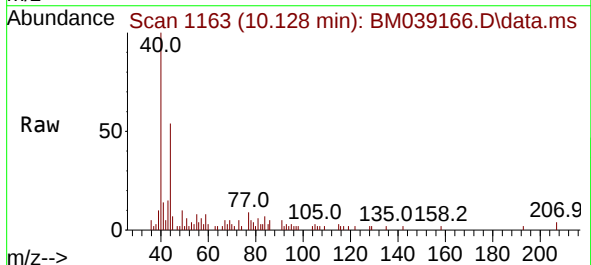
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

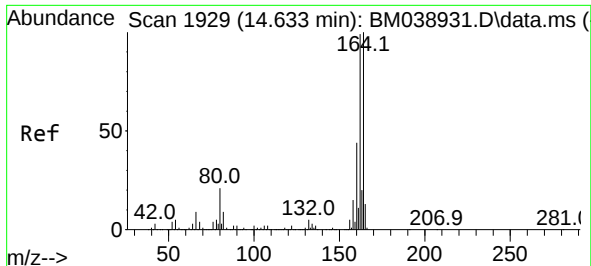
Tgt Ion: 82 Resp: 1070968
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 47.7 38.8 58.2



#32
Benzoic acid
Concen: 5.741 ng
RT: 10.128 min Scan# 1163
Delta R.T. 0.053 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 165.9 104.2 144.2#
77 561.1 75.1 115.1#

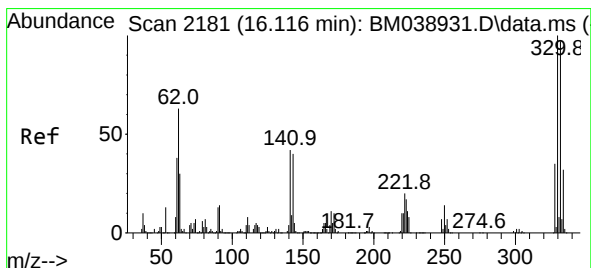
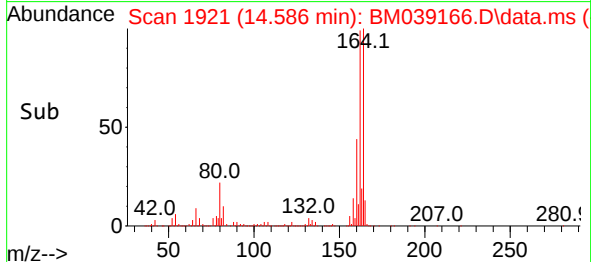
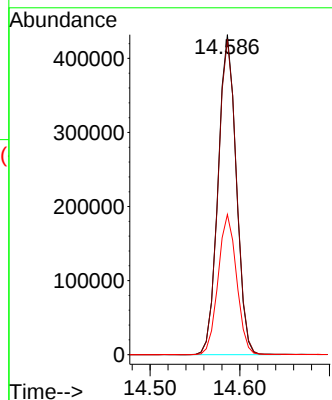
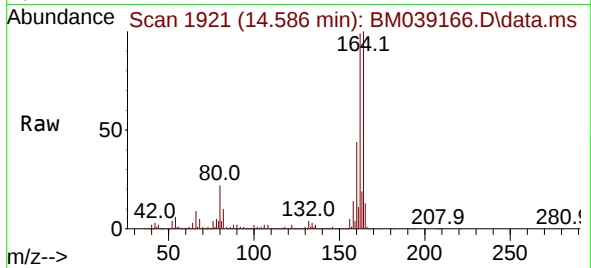




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

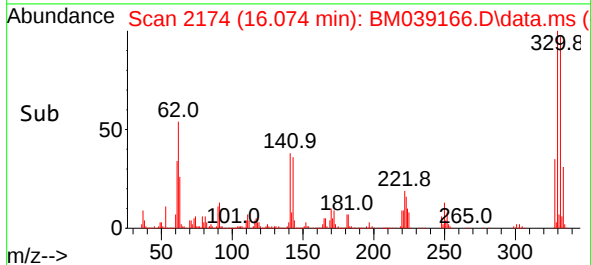
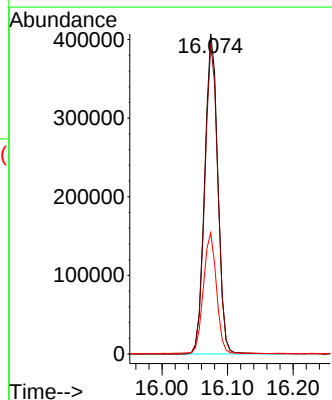
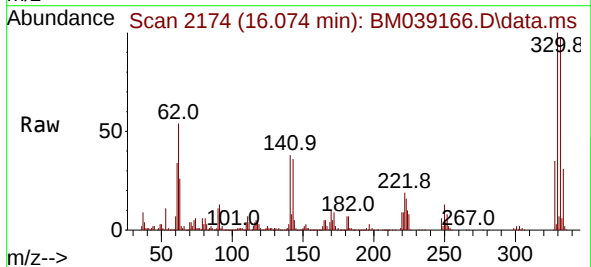
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

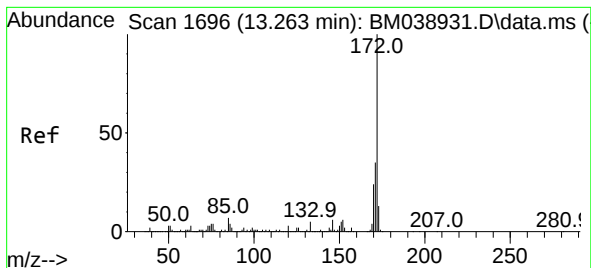
Tgt Ion:164 Resp: 605576
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.8 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 80.908 ng
RT: 16.074 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:330 Resp: 566808
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 37.8 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 46.268 ng

RT: 13.210 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

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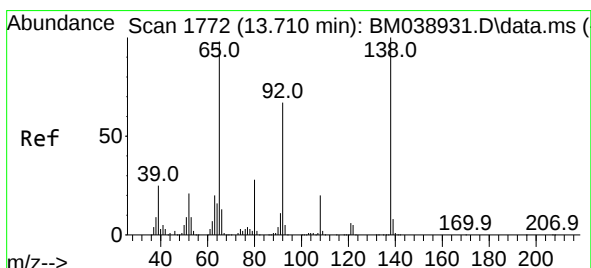
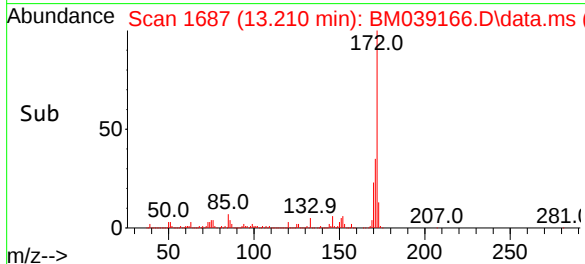
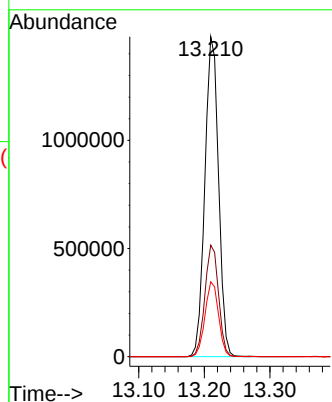
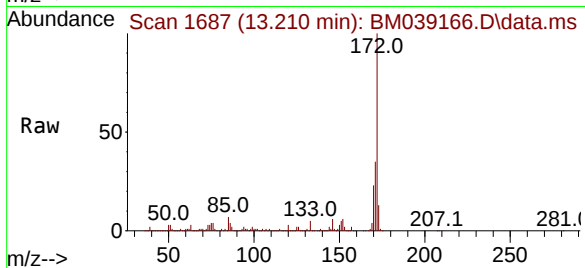
Tgt Ion:172 Resp: 2152296

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.4 19.1 28.7



#48

2-Nitroaniline

Concen: 2.236 ng

RT: 13.680 min Scan# 1767

Delta R.T. 0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

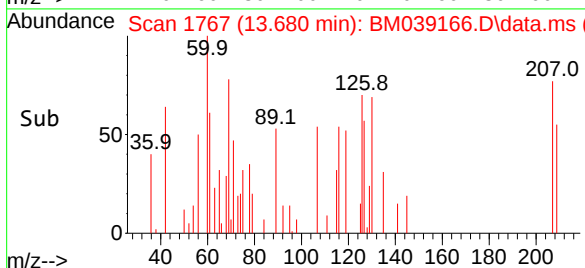
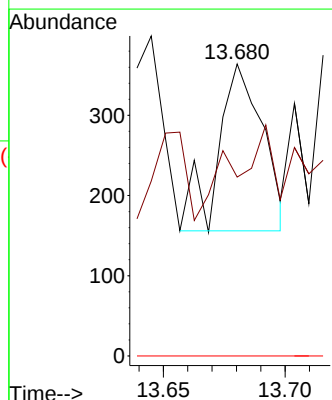
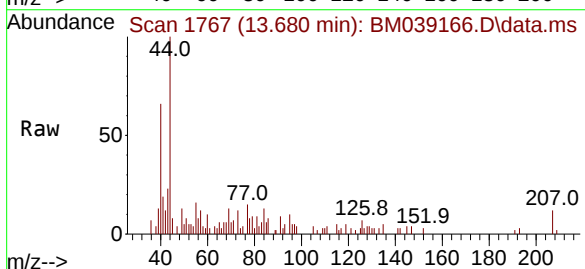
Tgt Ion: 65 Resp: 267

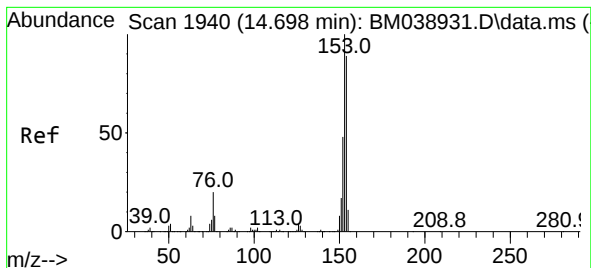
Ion Ratio Lower Upper

65 100

92 61.3 54.9 82.3

138 0.0 81.6 122.4#





#52

Acenaphthene

Concen: 2.514 ng

RT: 14.651 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

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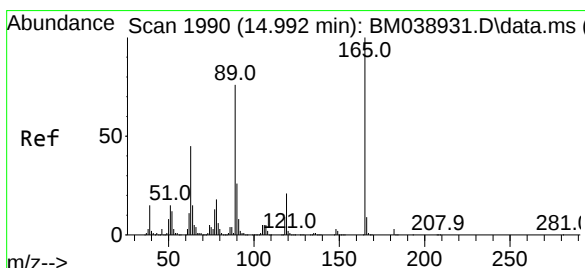
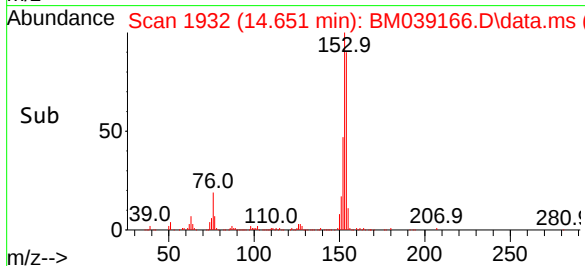
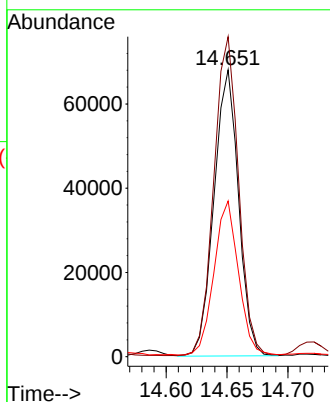
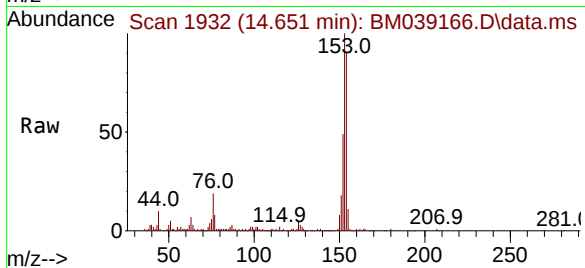
Tgt Ion:154 Resp: 95216

Ion Ratio Lower Upper

154 100

153 111.6 90.2 135.2

152 54.3 43.4 65.2



#57

2,4-Dinitrotoluene

Concen: 2.120 ng

RT: 14.945 min Scan# 1982

Delta R.T. -0.012 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Tgt Ion:165 Resp: 693

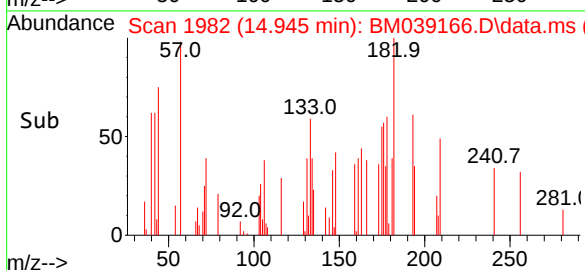
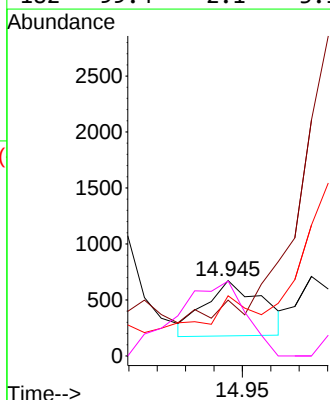
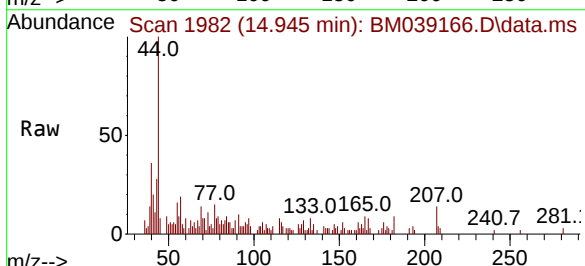
Ion Ratio Lower Upper

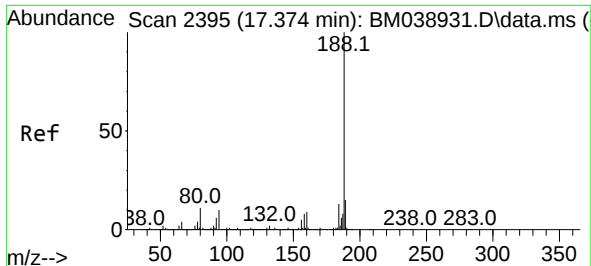
165 100

63 74.1 35.9 53.9#

89 79.8 61.0 91.6

182 99.4 2.1 3.1#

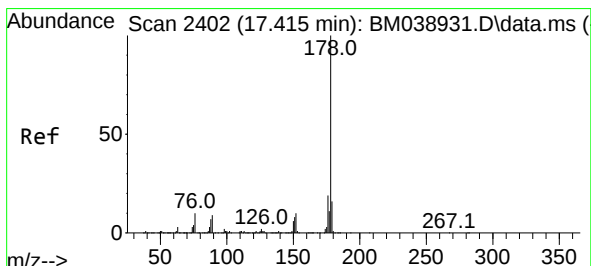
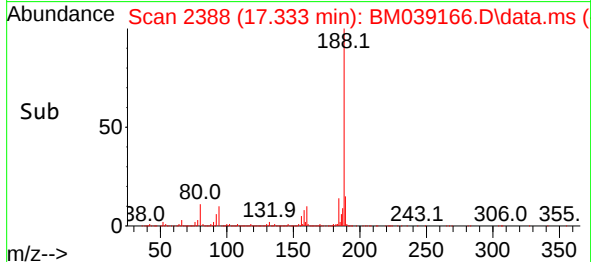
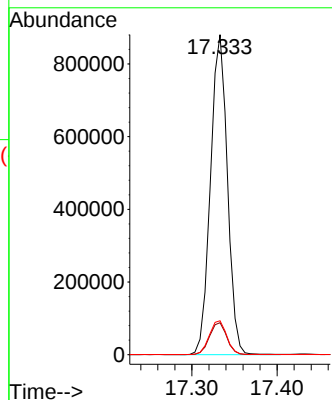
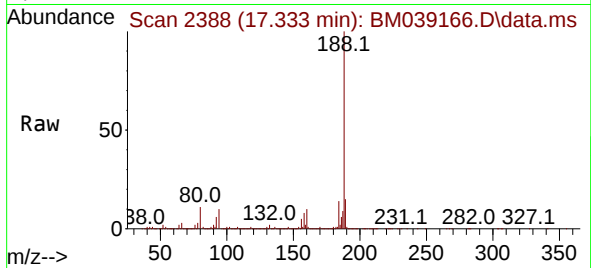




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

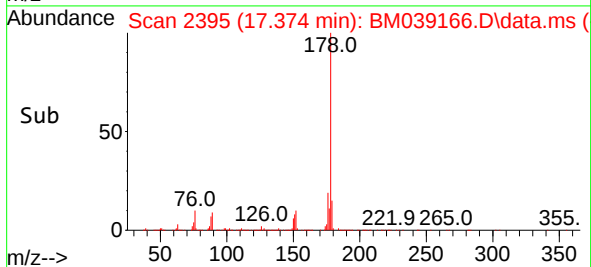
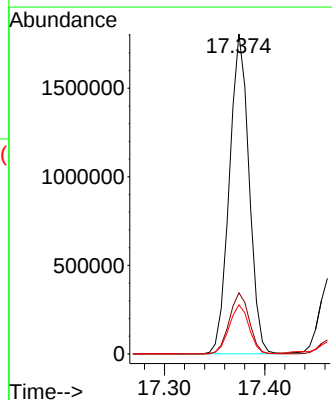
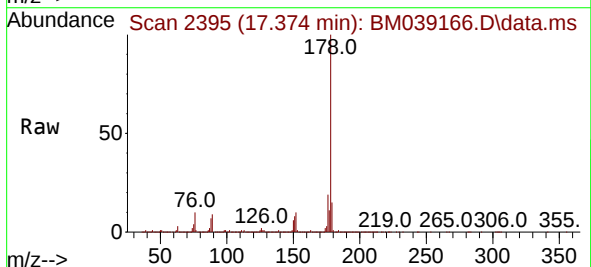
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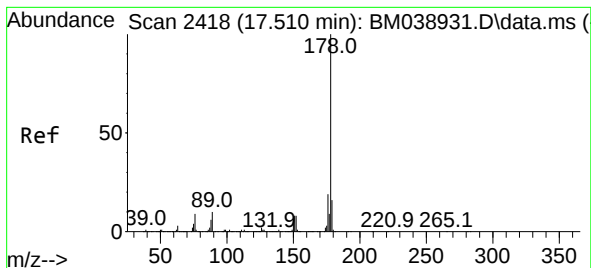
Tgt Ion:188 Resp: 1217899
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.6 8.5 12.7



#71
Phenanthrene
Concen: 34.352 ng
RT: 17.374 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:178 Resp: 2455466
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.4 12.5 18.7





#72

Anthracene

Concen: 8.284 ng

RT: 17.462 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

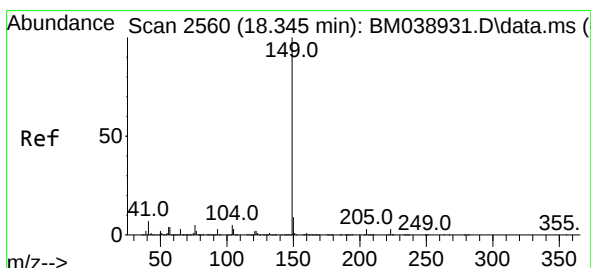
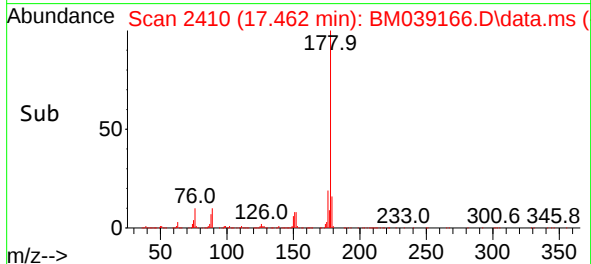
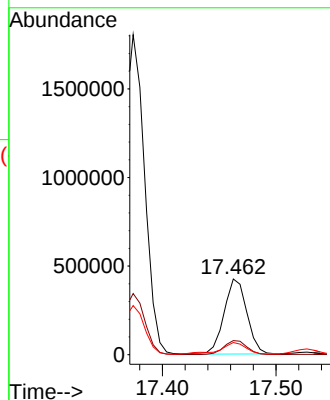
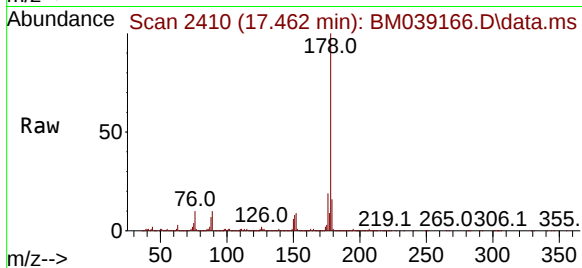
Tgt Ion:178 Resp: 590510

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 16.1 12.5 18.7



#74

Di-n-butylphthalate

Concen: 2.276 ng

RT: 18.298 min Scan# 2552

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

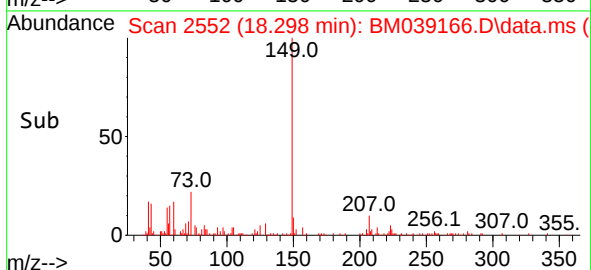
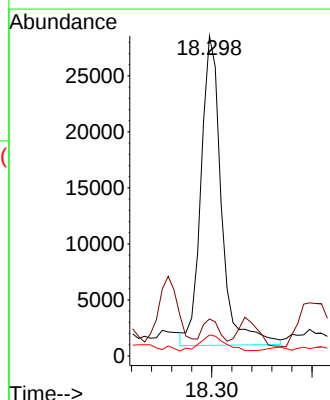
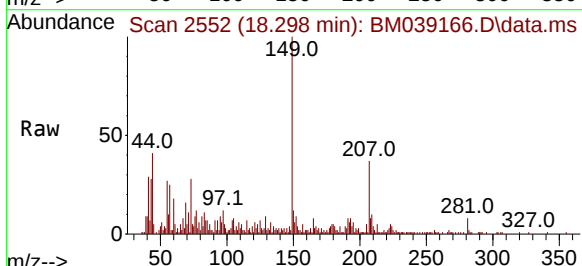
Tgt Ion:149 Resp: 39325

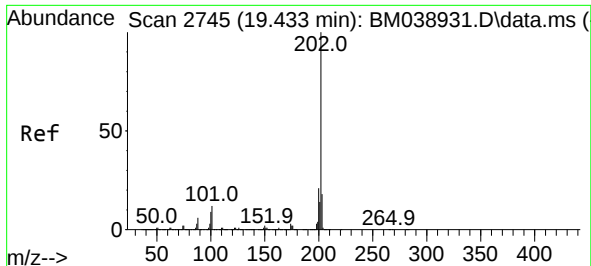
Ion Ratio Lower Upper

149 100

150 11.6 7.4 11.2#

104 6.5 4.3 6.5#

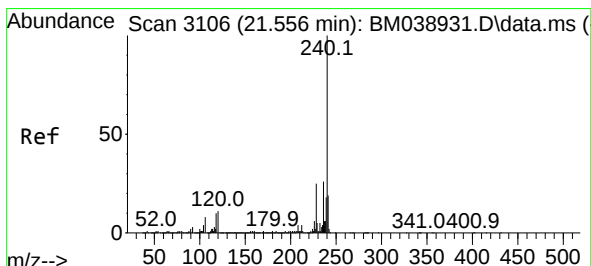
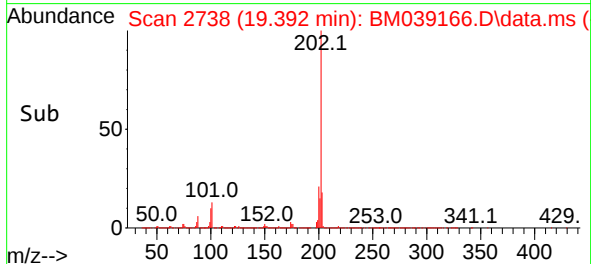
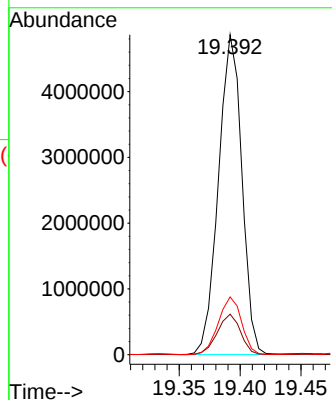
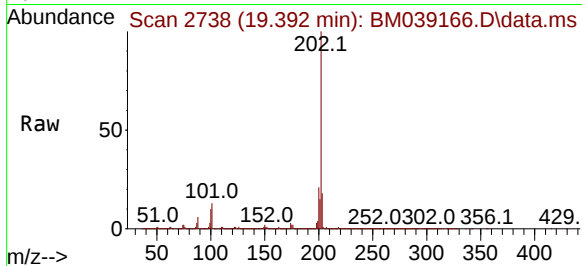




#75
Fluoranthene
Concen: 86.171 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

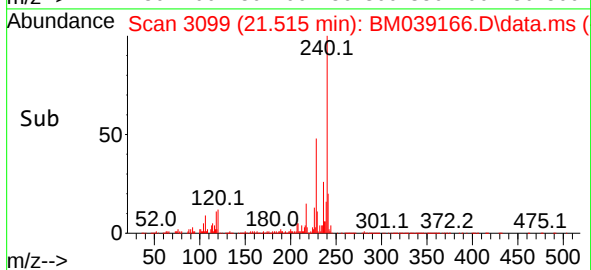
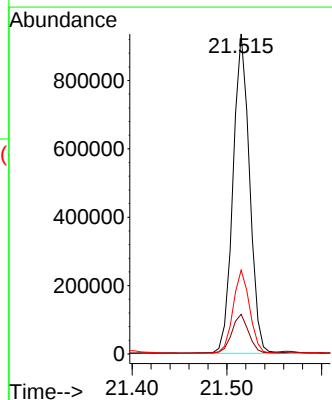
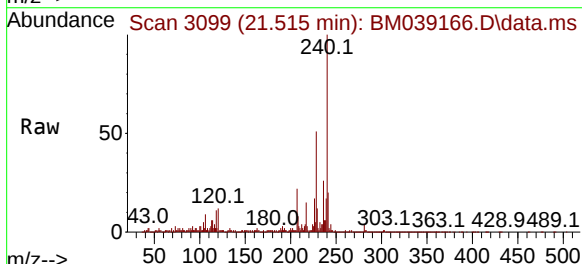
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

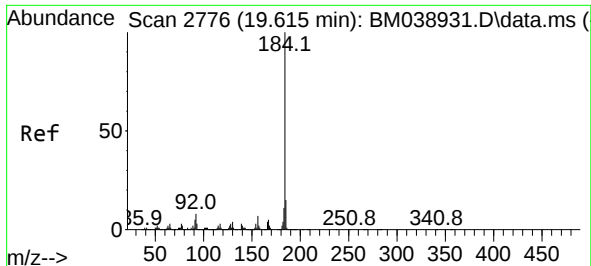
Tgt Ion:202 Resp: 6503439
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.7
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:240 Resp: 1133995
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 26.2 20.8 31.2

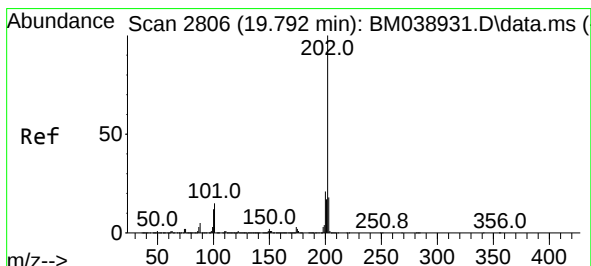
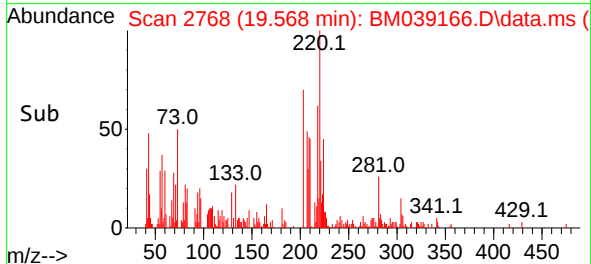
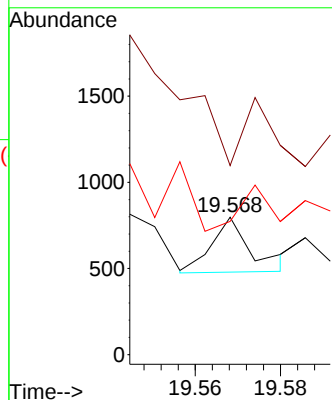
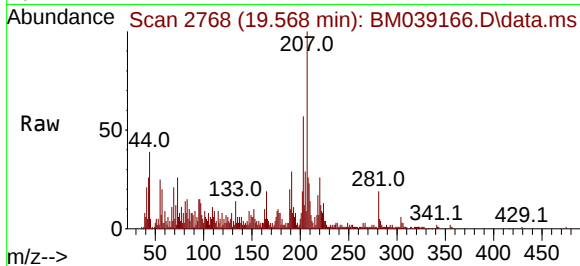




#77
Benzidine
Concen: 4.884 ng
RT: 19.568 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

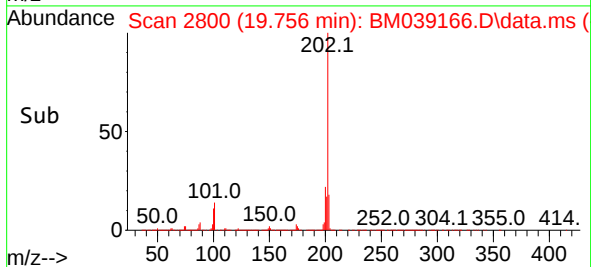
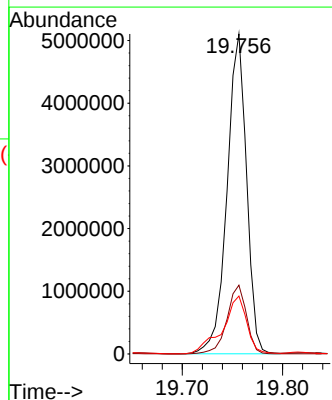
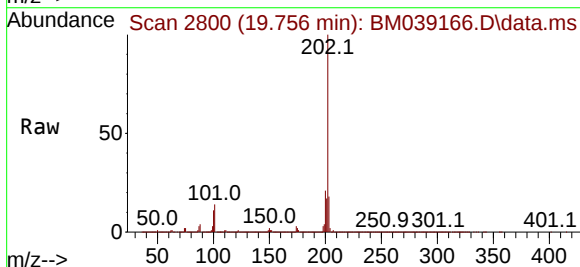
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

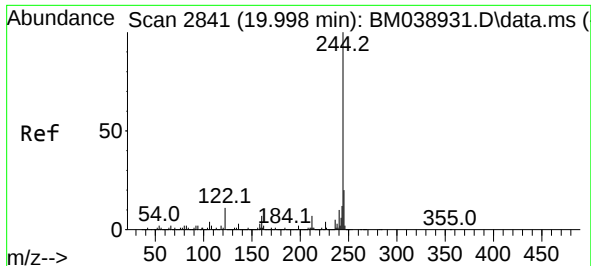
Tgt Ion:184 Resp: 207
Ion Ratio Lower Upper
184 100
185 137.6 12.2 18.4#
183 97.0 8.8 13.2#



#78
Pyrene
Concen: 80.553 ng
RT: 19.756 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:202 Resp: 6860863
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.1 14.1 21.1

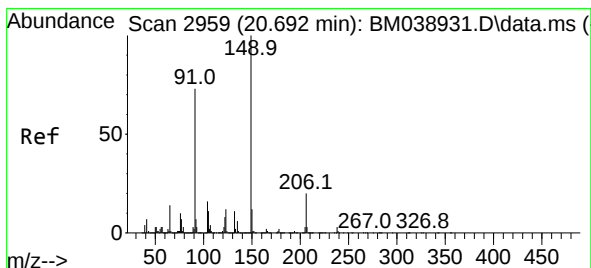
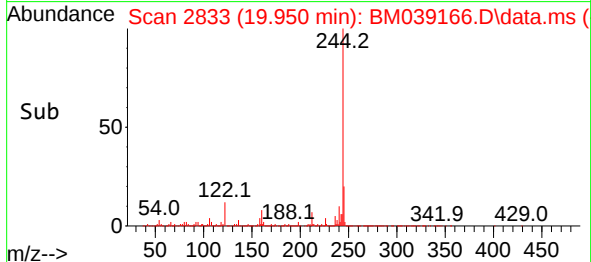
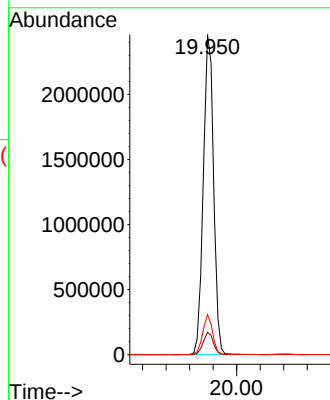
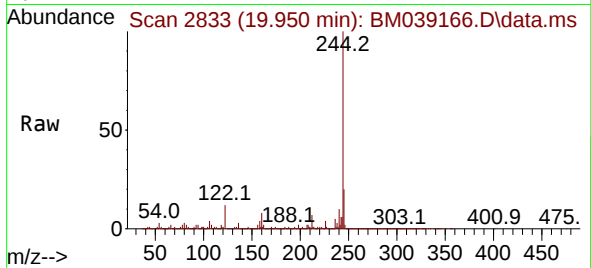




#79
 Terphenyl-d14
 Concen: 48.177 ng
 RT: 19.950 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039166.D
 Acq: 27 Mar 2023 18:38

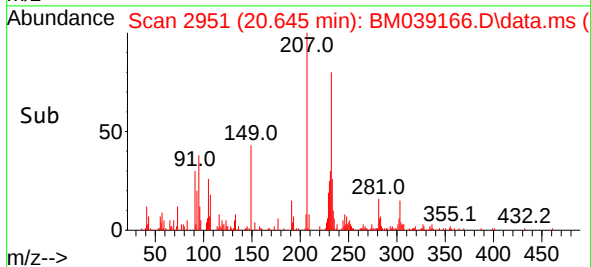
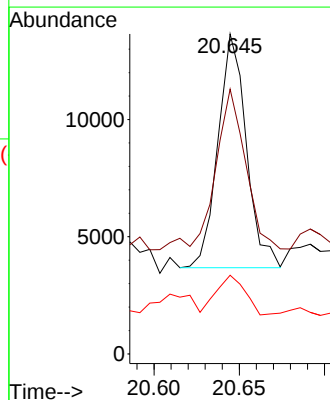
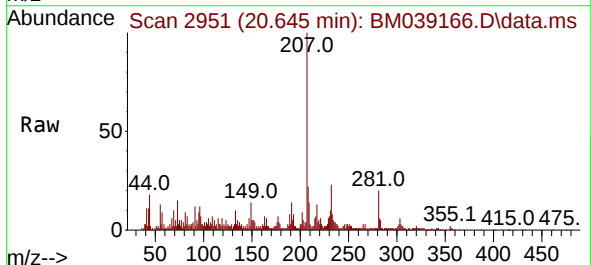
Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023

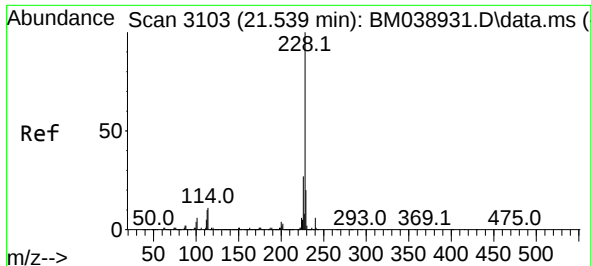
Tgt Ion:244 Resp: 2988084
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 12.5 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.612 ng
 RT: 20.645 min Scan# 2951
 Delta R.T. -0.000 min
 Lab File: BM039166.D
 Acq: 27 Mar 2023 18:38

Tgt Ion:149 Resp: 11538
 Ion Ratio Lower Upper
 149 100
 91 82.8 58.4 87.6
 206 24.6 16.1 24.1#

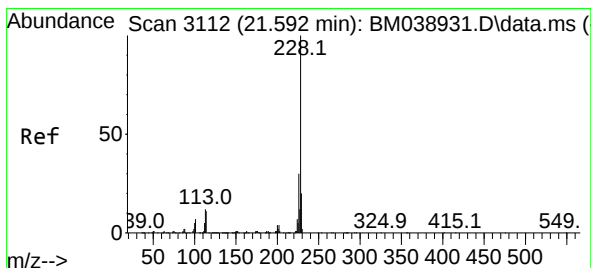
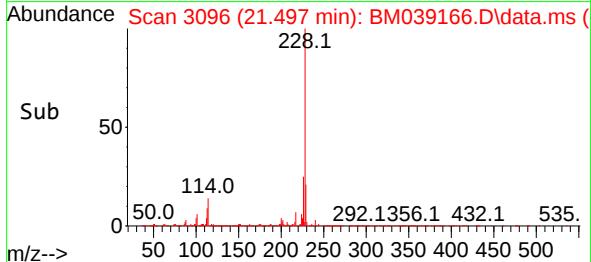
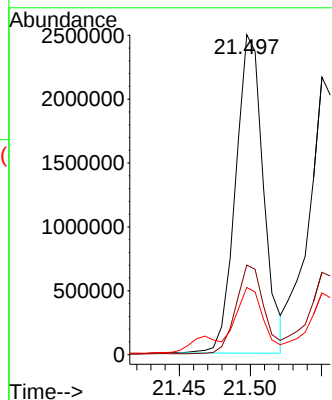
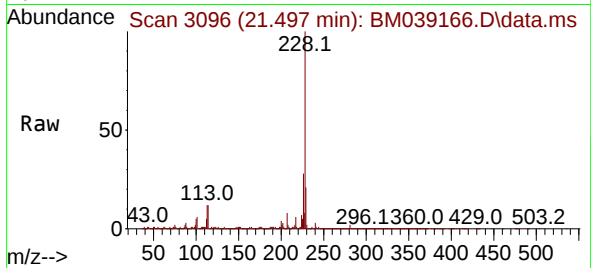




#81
Benzo(a)anthracene
Concen: 41.509 ng
RT: 21.497 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

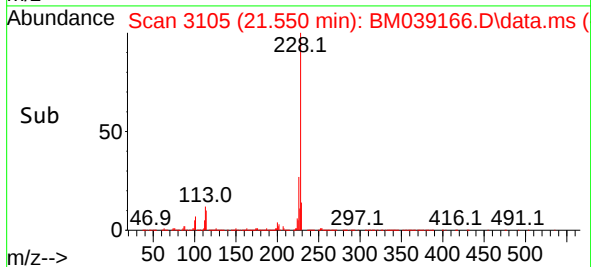
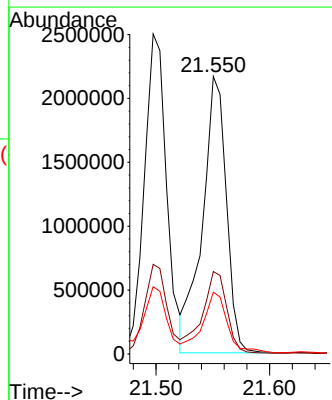
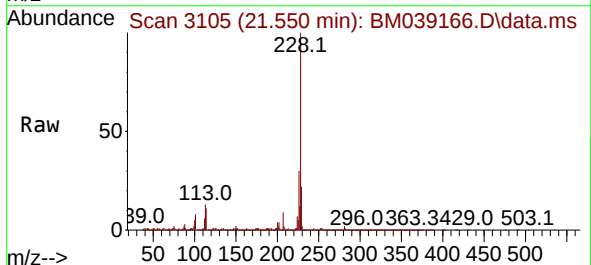
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

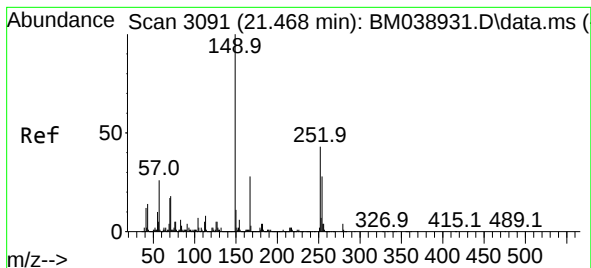
Tgt Ion:228 Resp: 3389848
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.2
229 21.0 15.7 23.5



#83
Chrysene
Concen: 40.023 ng
RT: 21.550 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:228 Resp: 3178859
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.2 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.183 ng

RT: 21.421 min Scan# 3091

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

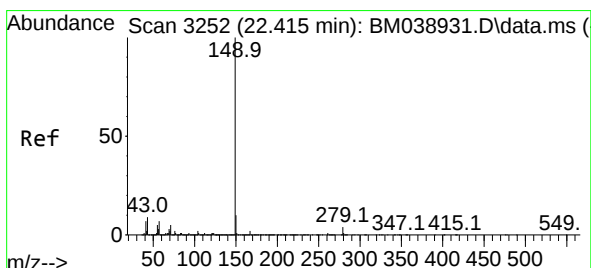
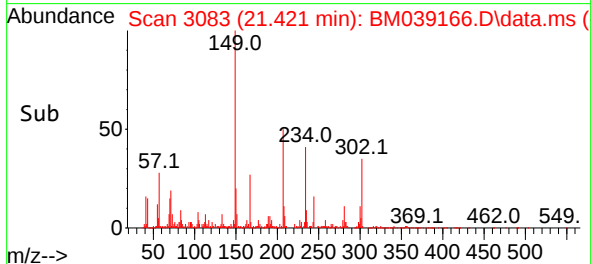
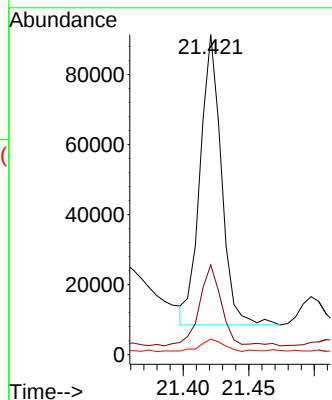
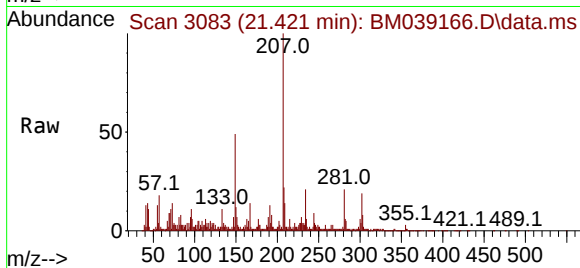
Tgt Ion:149 Resp: 93774

Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.9 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 3.861 ng

RT: 22.362 min Scan# 3243

Delta R.T. 0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

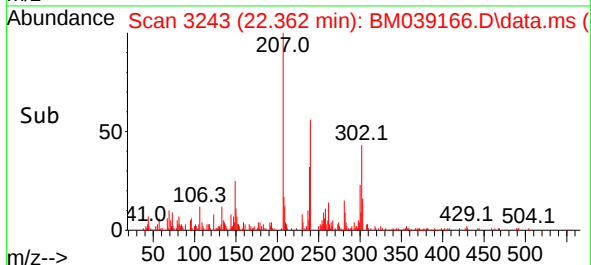
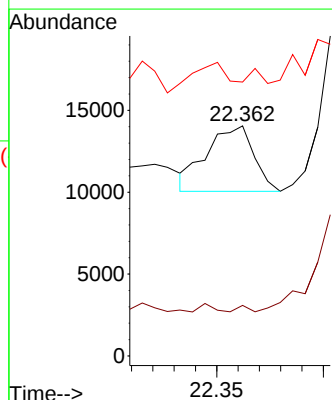
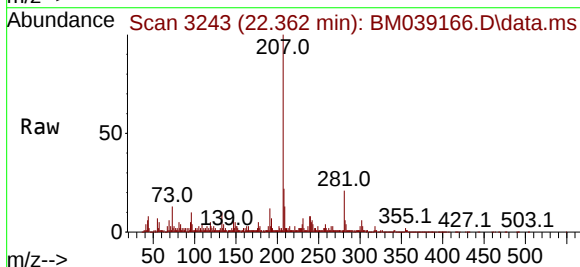
Tgt Ion:149 Resp: 6121

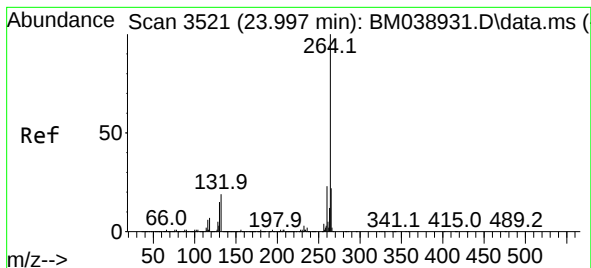
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 38.0 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.938 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

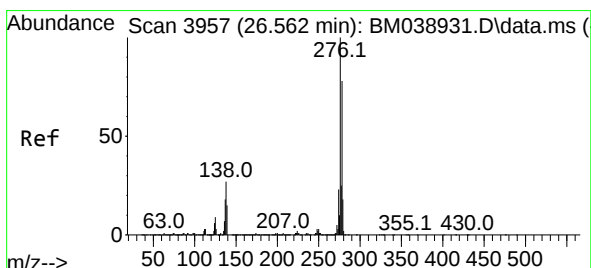
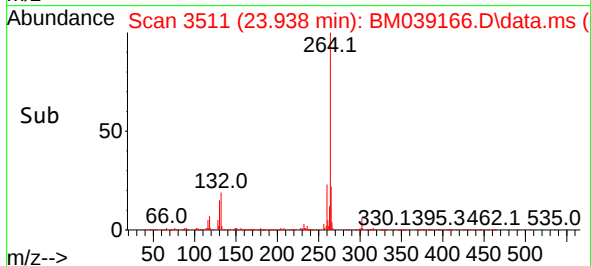
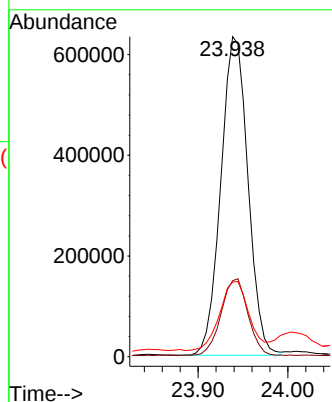
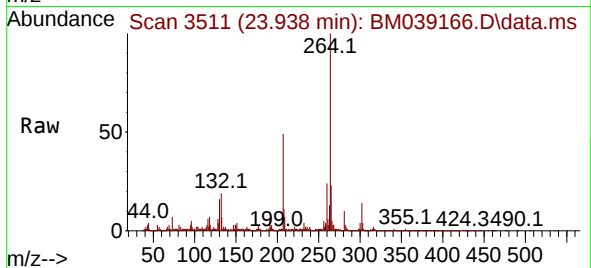
Tgt Ion:264 Resp: 1327988

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 23.3 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.696 ng

RT: 26.462 min Scan# 3940

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

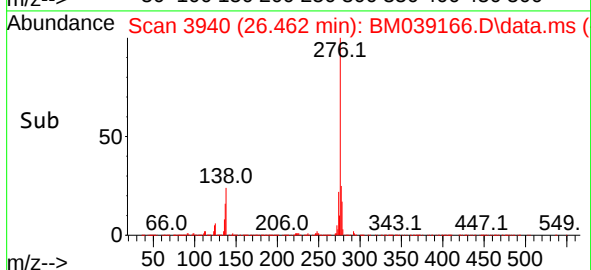
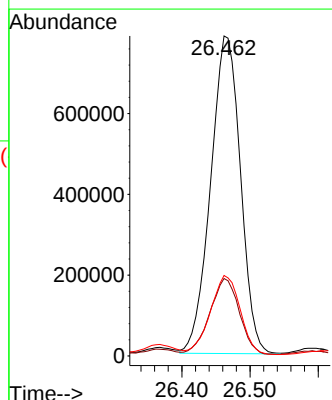
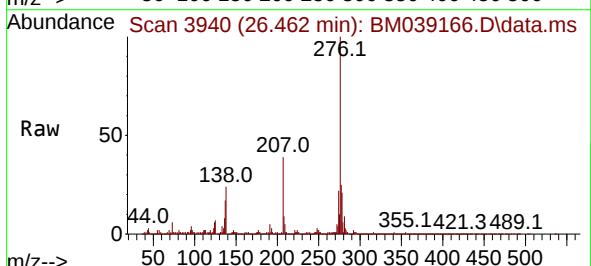
Tgt Ion:276 Resp: 2394507

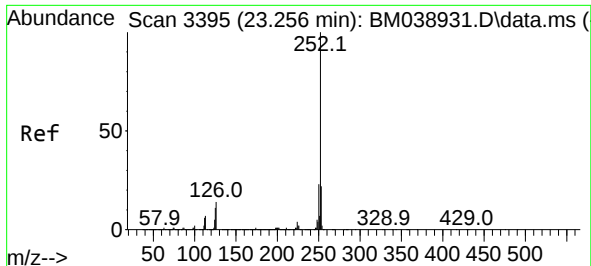
Ion Ratio Lower Upper

276 100

138 23.6 22.1 33.1

277 24.9 20.1 30.1

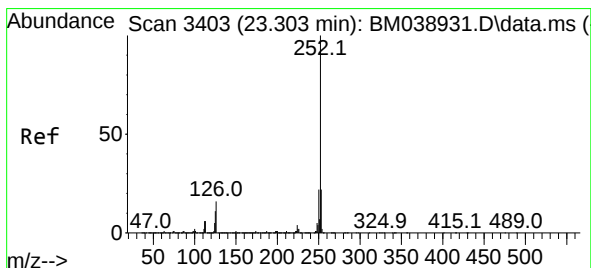
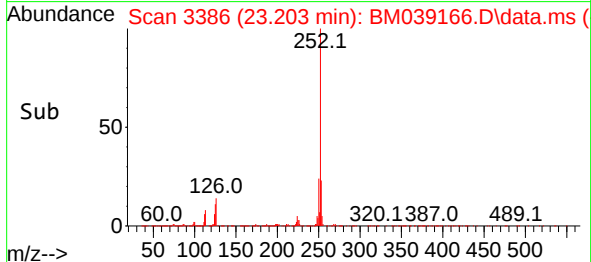
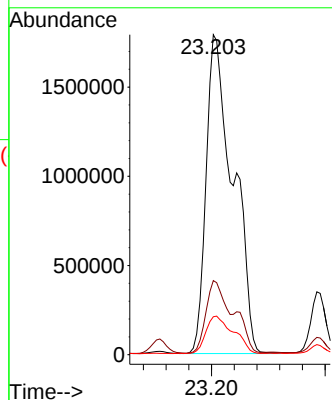
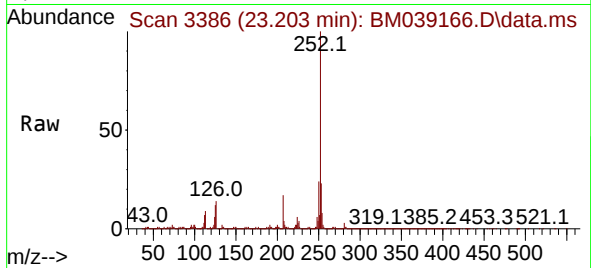




#88
Benzo(b)fluoranthene
Concen: 69.212 ng
RT: 23.203 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

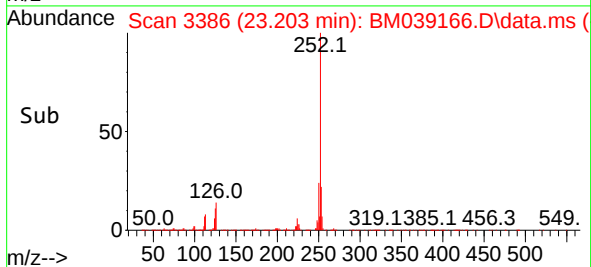
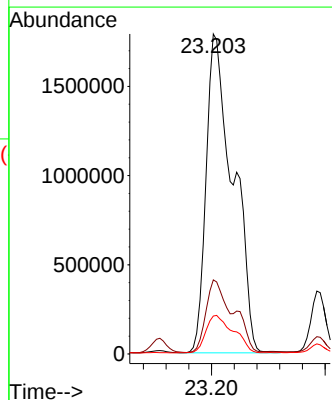
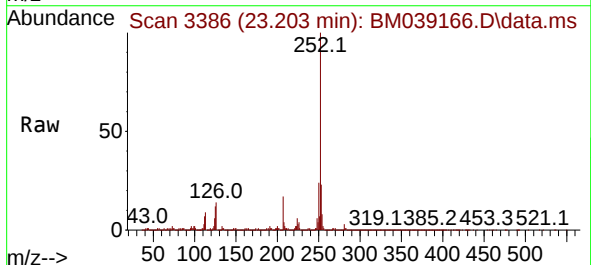
Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

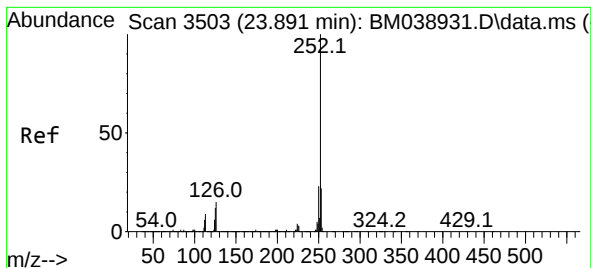
Tgt Ion:252 Resp: 5872021
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.9 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 66.508 ng
RT: 23.203 min Scan# 3386
Delta R.T. -0.047 min
Lab File: BM039166.D
Acq: 27 Mar 2023 18:38

Tgt Ion:252 Resp: 5872243
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.9 8.9 13.3





#90

Benzo(a)pyrene

Concen: 42.996 ng

RT: 23.838 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

Instrument :

BNA_M

ClientSampleId :

JPP-46A-032023

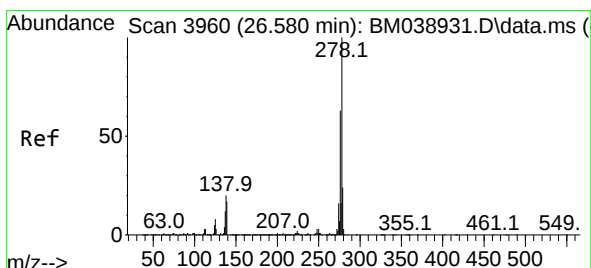
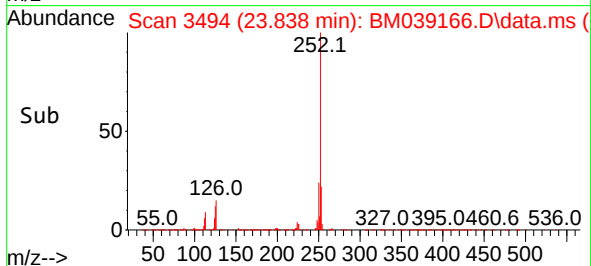
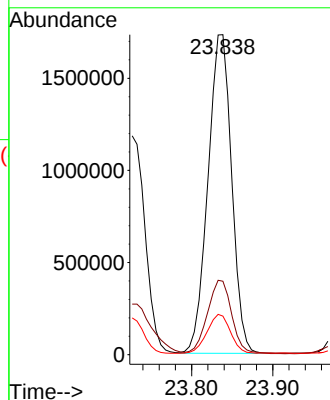
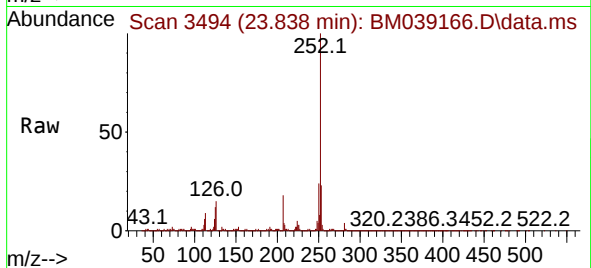
Tgt Ion:252 Resp: 3510733

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 12.0 9.8 14.8



#91

Dibenzo(a,h)anthracene

Concen: 6.882 ng

RT: 26.474 min Scan# 3942

Delta R.T. -0.006 min

Lab File: BM039166.D

Acq: 27 Mar 2023 18:38

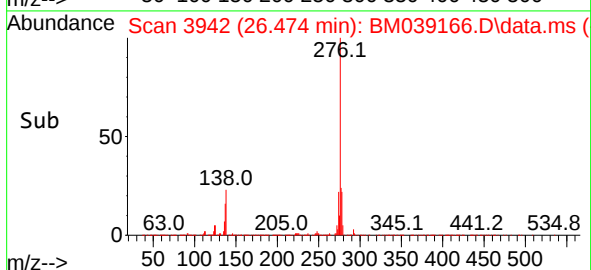
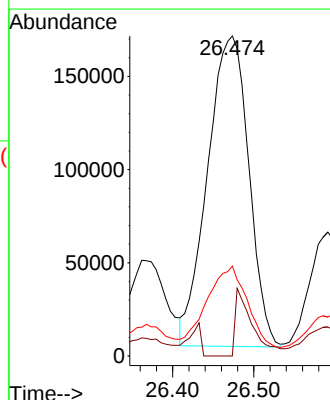
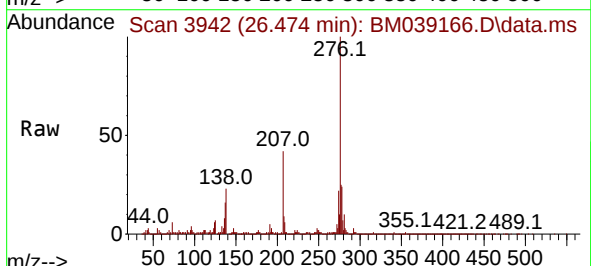
Tgt Ion:278 Resp: 588911

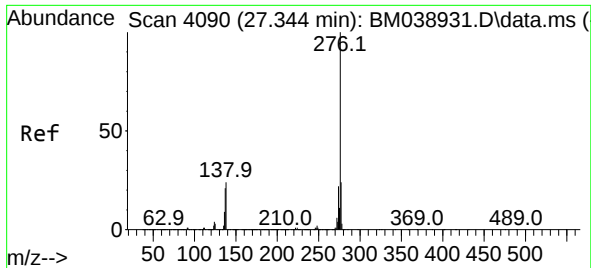
Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

279 28.1 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 29.347 ng
 RT: 27.244 min Scan# 4090
 Delta R.T. -0.000 min
 Lab File: BM039166.D
 Acq: 27 Mar 2023 18:38

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46A-032023

Tgt Ion:276 Resp: 2457089
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.3 28.9
 138 24.5 19.0 28.6

