

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039172.D
 Acq On : 27 Mar 2023 22:24
 Operator : CG/JU
 Sample : 02021-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46B-032023

Quant Time: Mar 28 01:54:02 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)

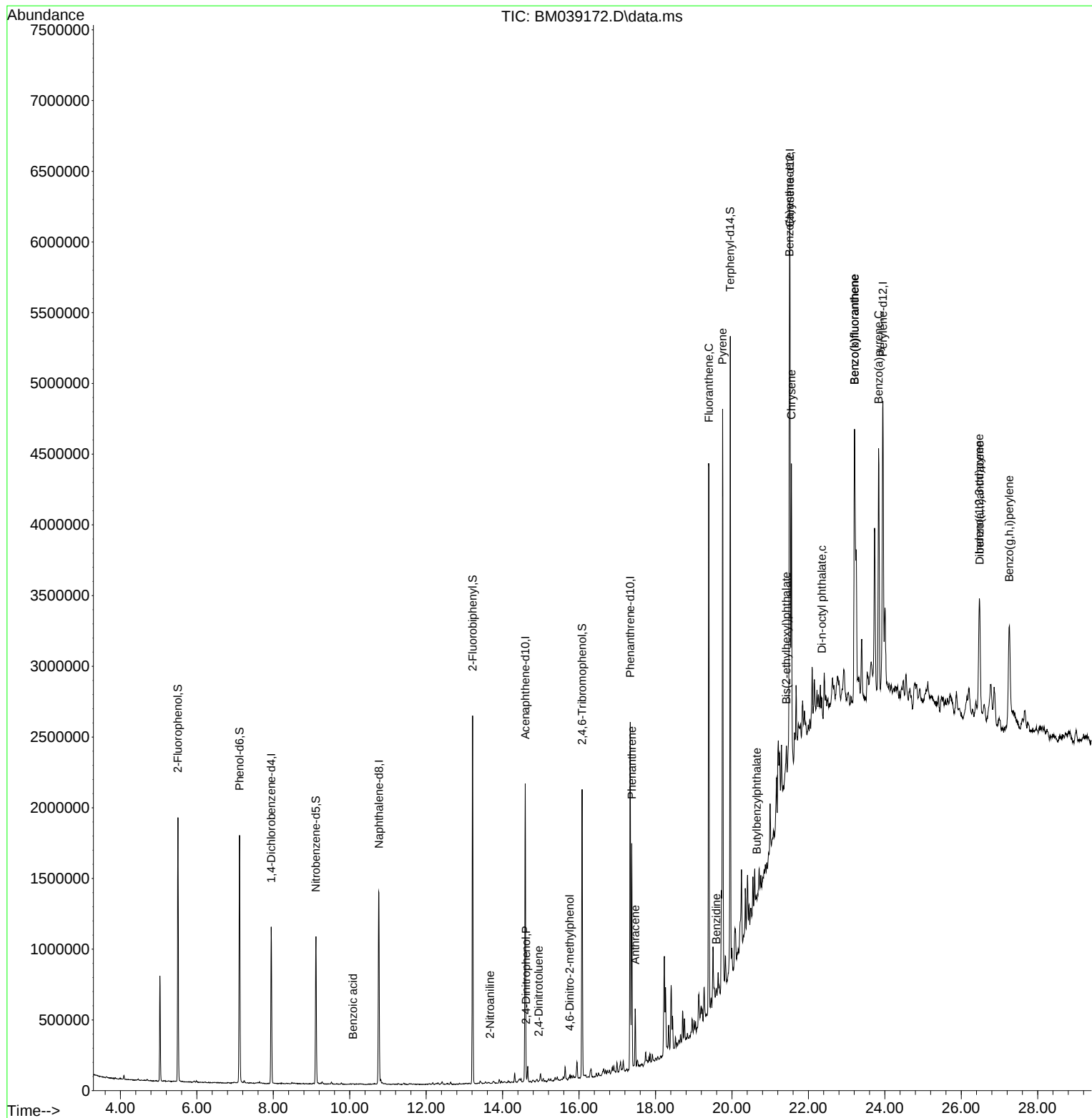
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	292543	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	1145055	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	673817	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1438055	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1372485	20.000	ng	0.00
86) Perylene-d12	23.950	264	1562168	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	800911	41.594	ng	0.00
7) Phenol-d6	7.116	99	1013381	40.518	ng	0.00
23) Nitrobenzene-d5	9.116	82	594320	25.495	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	341792	43.848	ng	0.00
45) 2-Fluorobiphenyl	13.215	172	1269799	24.532	ng	0.00
79) Terphenyl-d14	19.956	244	2008010	26.749	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.086	122	495	5.765	ng	# 1
48) 2-Nitroaniline	13.674	65	422	2.245	ng	# 29
54) 2,4-Dinitrophenol	14.615	184	57	5.199	ng	# 1
57) 2,4-Dinitrotoluene	14.945	165	244	2.087	ng	# 55
65) 4,6-Dinitro-2-methylph...	15.756	198	58	5.094	ng	# 1
71) Phenanthrene	17.380	178	891827	10.567	ng	99
72) Anthracene	17.468	178	248099	2.948	ng	100
75) Fluoranthene	19.397	202	2300196	25.812	ng	100
77) Benzidine	19.592	184	514	4.891	ng	# 1
78) Pyrene	19.756	202	2386389	23.150	ng	99
80) Butylbenzylphthalate	20.650	149	5754	3.438	ng	# 64
81) Benzo(a)anthracene	21.503	228	1365558	13.816	ng	98
83) Chrysene	21.556	228	1166062	12.130	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	66168	3.475	ng	# 94
85) Di-n-octyl phthalate	22.356	149	4918	3.840	ng	# 49
87) Indeno(1,2,3-cd)pyrene	26.473	276	903864	7.604	ng	96
88) Benzo(b)fluoranthene	23.209	252	2273725	22.782	ng	96
89) Benzo(k)fluoranthene	23.209	252	2274704	21.901	ng	96
90) Benzo(a)pyrene	23.838	252	1333554	13.884	ng	97
91) Dibenzo(a,h)anthracene	26.485	278	238006	2.364	ng	# 81
92) Benzo(g,h,i)perylene	27.256	276	927152	9.414	ng	98

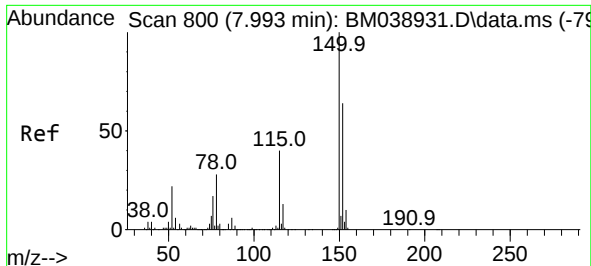
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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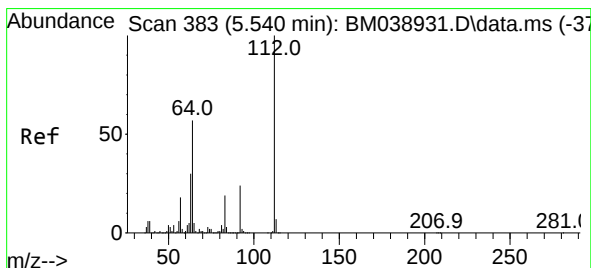
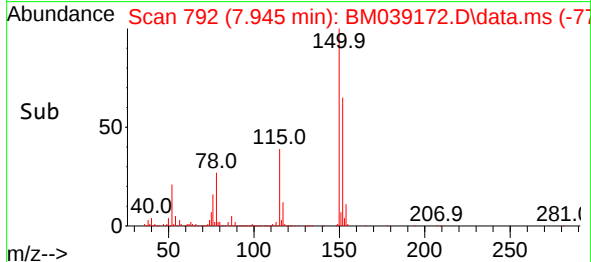
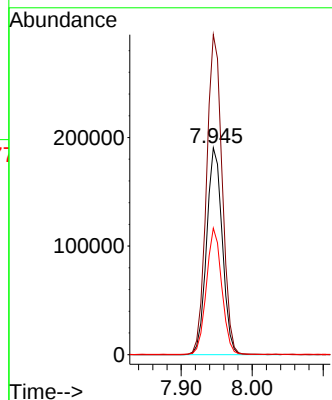
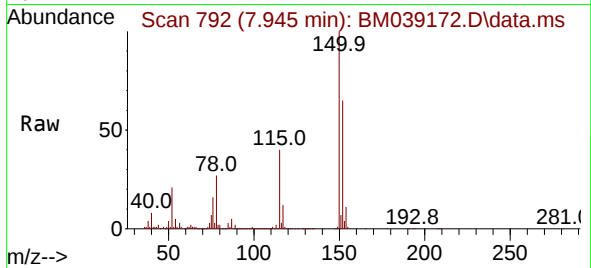




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.945 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BM039172.D
 Acq: 27 Mar 2023 22:24

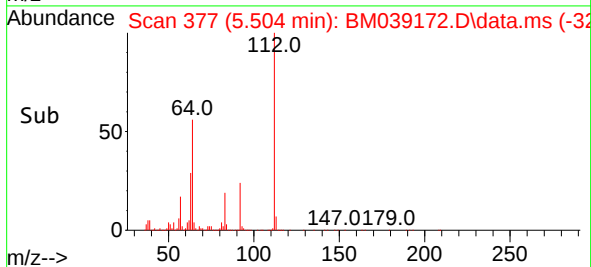
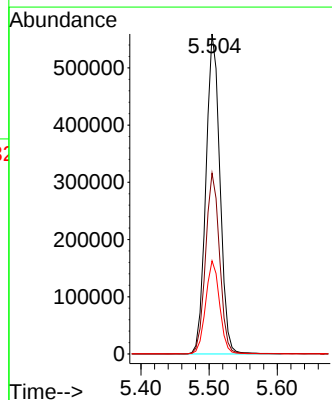
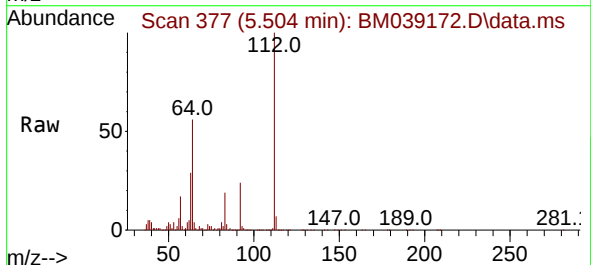
Instrument :
 BNA_M
 ClientSampleId :
 JPP-46B-032023

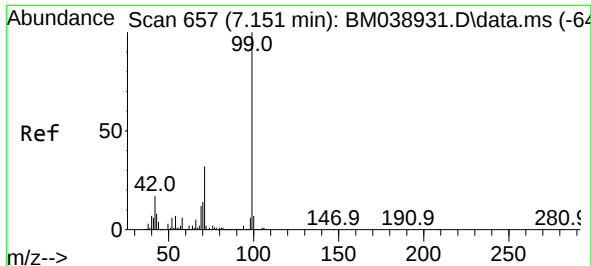
Tgt Ion:152 Resp: 292543
 Ion Ratio Lower Upper
 152 100
 150 154.7 125.1 187.7
 115 61.2 49.6 74.4



#5
 2-Fluorophenol
 Concen: 41.594 ng
 RT: 5.504 min Scan# 377
 Delta R.T. 0.006 min
 Lab File: BM039172.D
 Acq: 27 Mar 2023 22:24

Tgt Ion:112 Resp: 800911
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.9 68.9
 63 29.1 23.8 35.8

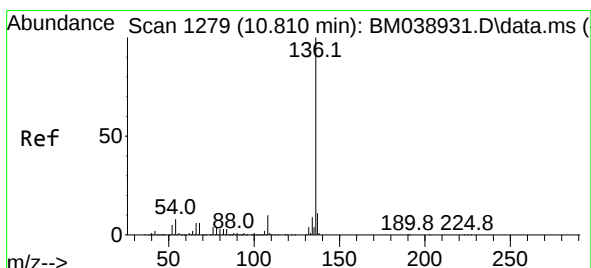
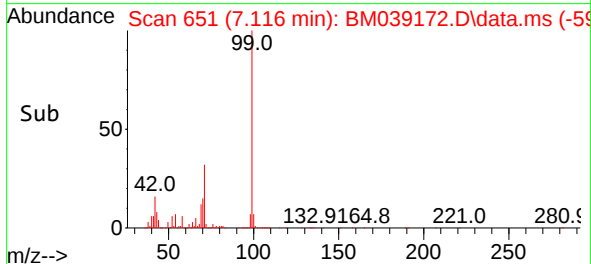
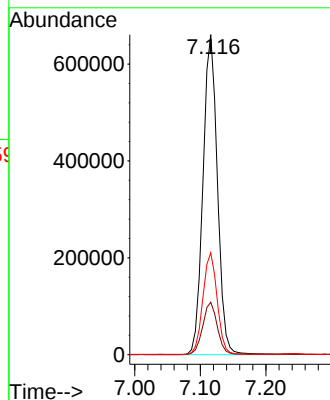
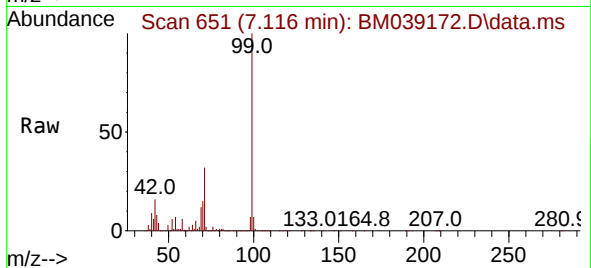




#7
Phenol-d6
Concen: 40.518 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

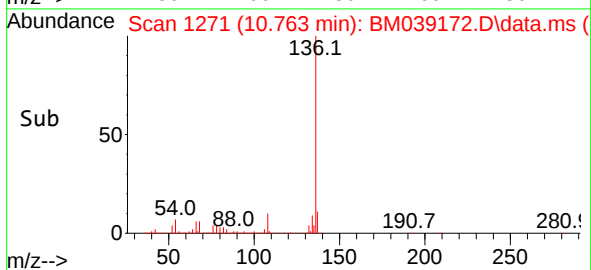
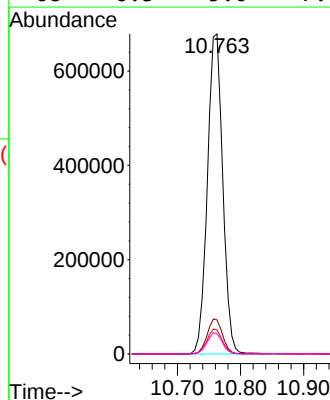
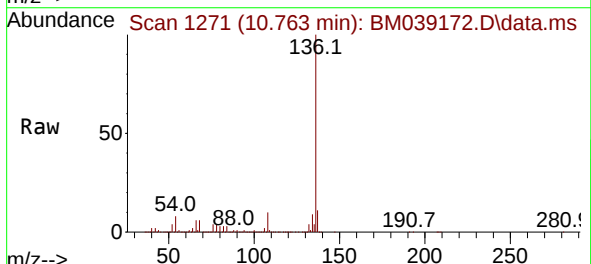
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

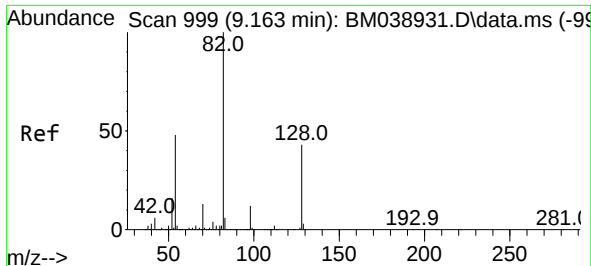
Tgt Ion: 99 Resp: 1013381
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion: 136 Resp: 1145055
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.3 9.5
68 6.3 5.0 7.6

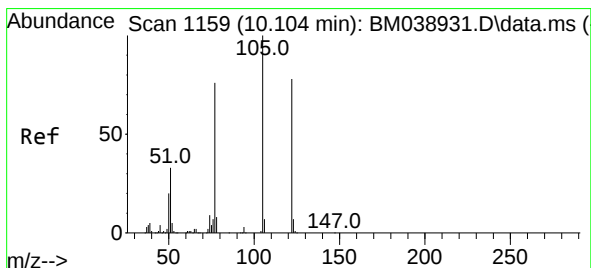
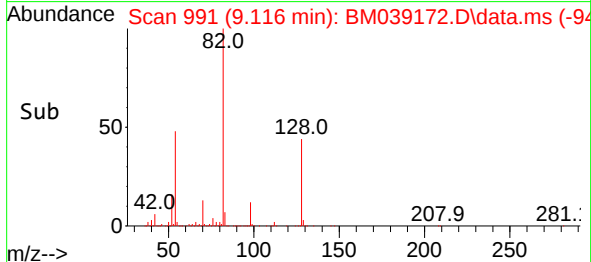
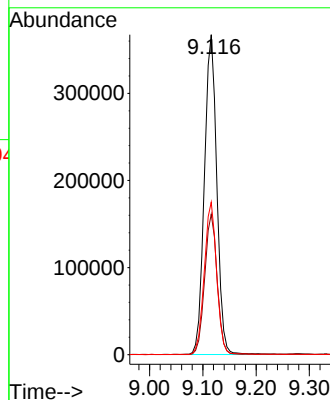
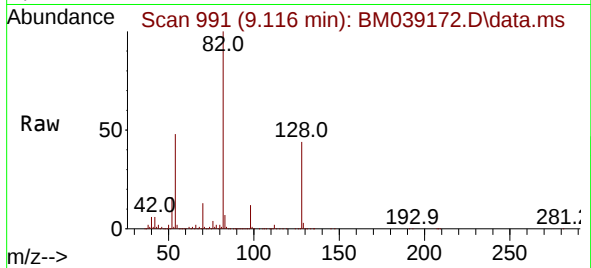




#23
Nitrobenzene-d5
Concen: 25.495 ng
RT: 9.116 min Scan# 991
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

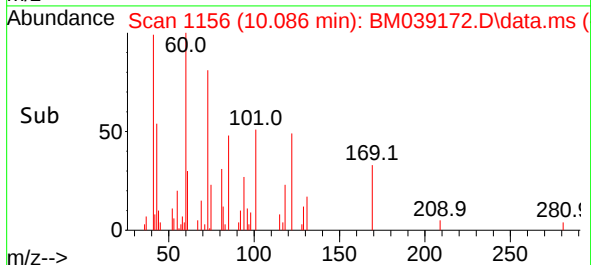
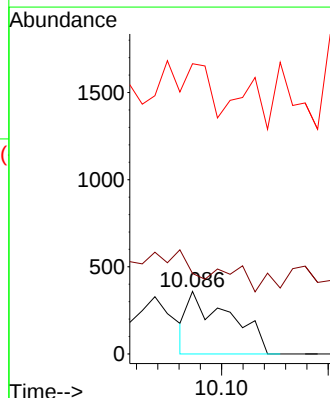
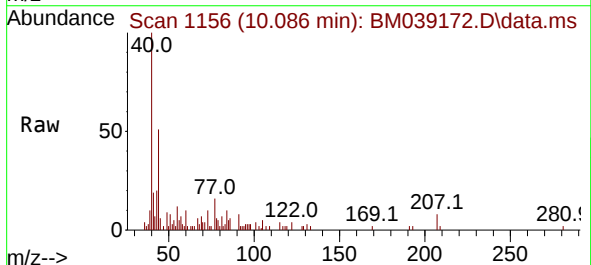
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

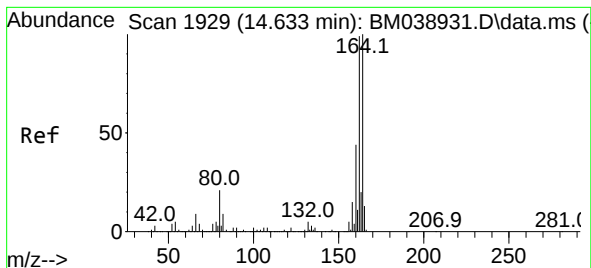
Tgt Ion: 82 Resp: 594320
Ion Ratio Lower Upper
82 100
128 43.9 34.4 51.6
54 47.7 38.8 58.2



#32
Benzoic acid
Concen: 5.765 ng
RT: 10.086 min Scan# 1156
Delta R.T. 0.012 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion: 122 Resp: 495
Ion Ratio Lower Upper
122 100
105 128.7 104.2 144.2
77 463.8 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 19

Delta R.T. -0.000 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

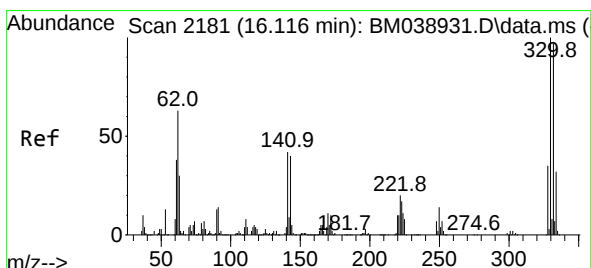
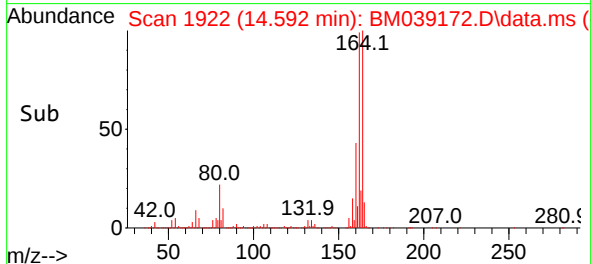
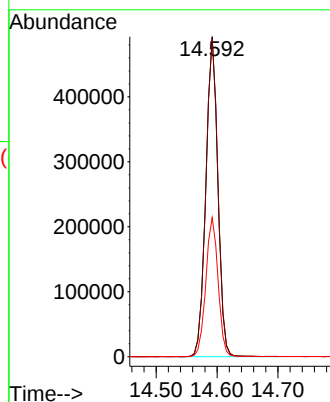
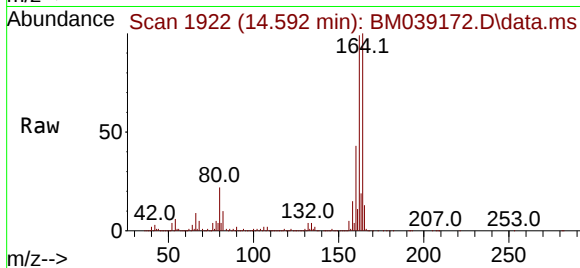
Tgt Ion:164 Resp: 673817

Ion Ratio Lower Upper

164 100

162 99.4 79.2 118.8

160 43.5 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 43.848 ng

RT: 16.080 min Scan# 2175

Delta R.T. -0.000 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

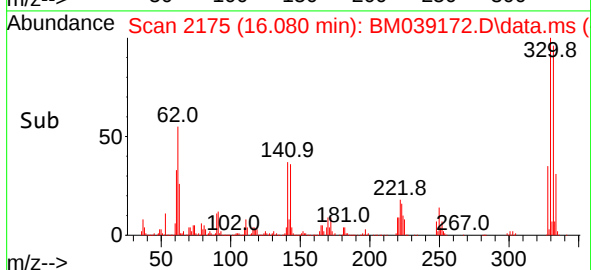
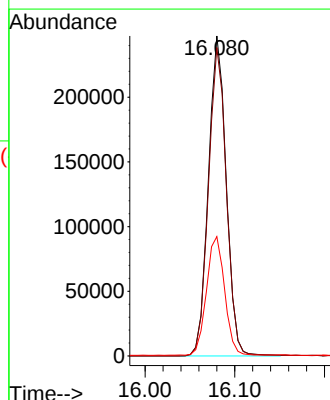
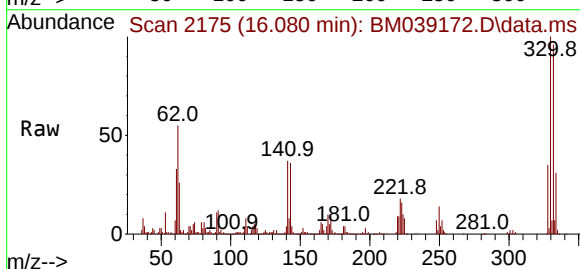
Tgt Ion:330 Resp: 341792

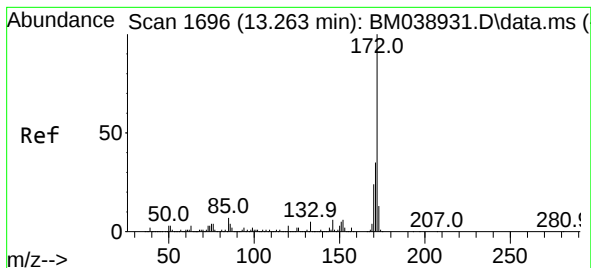
Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.0

141 37.7 32.2 48.4

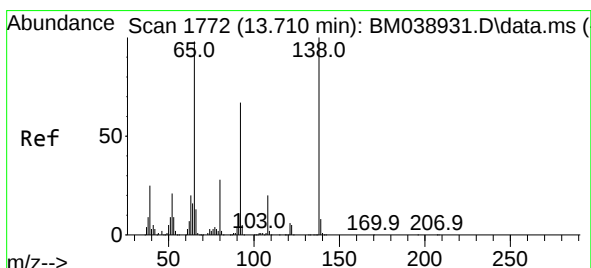
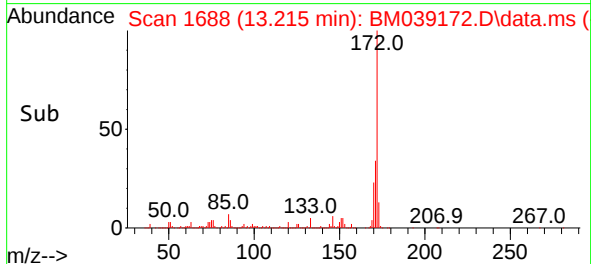
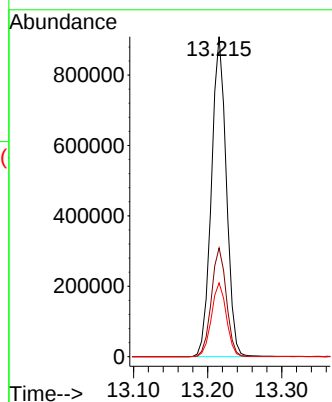
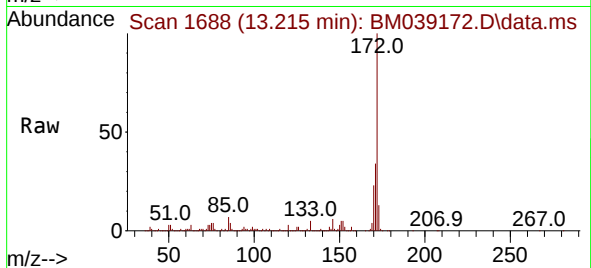




#45
2-Fluorobiphenyl
Concen: 24.532 ng
RT: 13.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

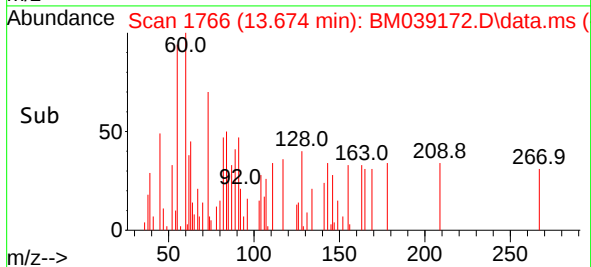
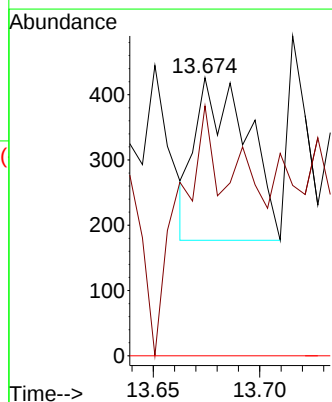
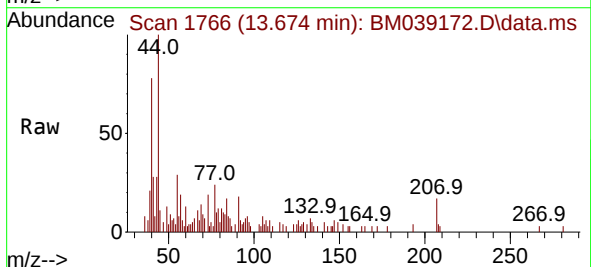
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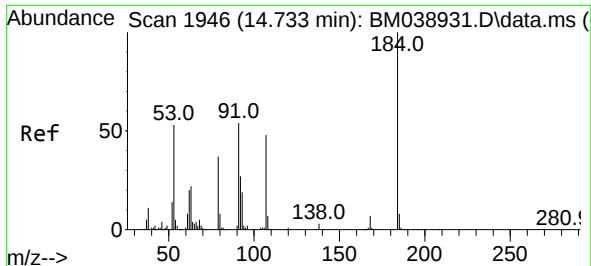
Tgt Ion:172 Resp: 1269799
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 23.0 19.1 28.7



#48
2-Nitroaniline
Concen: 2.245 ng
RT: 13.674 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion: 65 Resp: 422
Ion Ratio Lower Upper
65 100
92 89.9 54.9 82.3#
138 0.0 81.6 122.4#

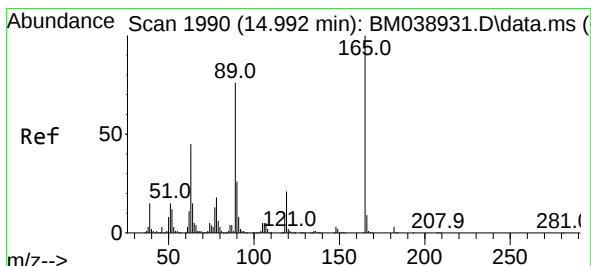
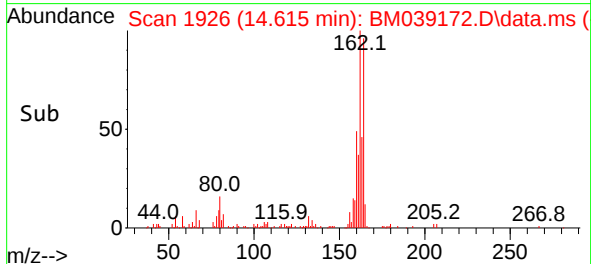
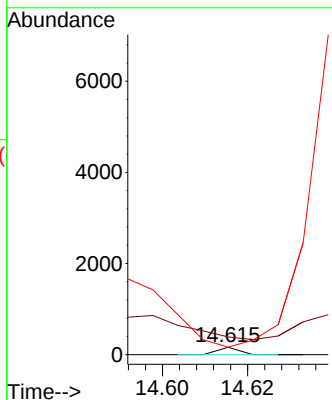
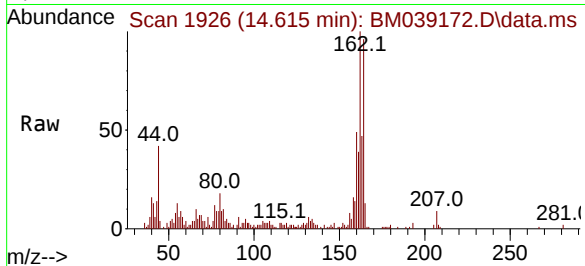




#54
2,4-Dinitrophenol
Concen: 5.199 ng
RT: 14.615 min Scan# 1926
Delta R.T. -0.088 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

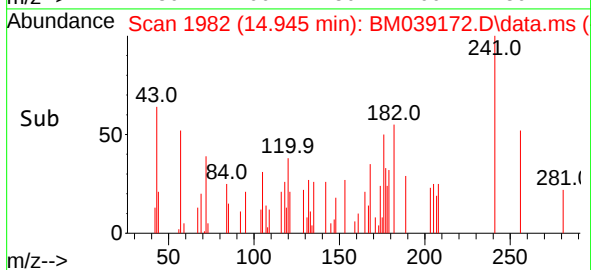
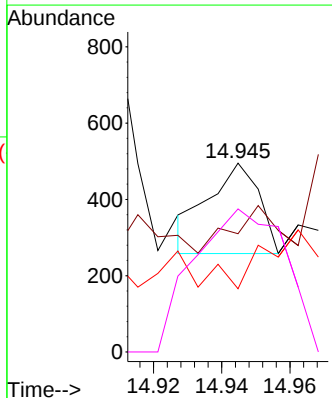
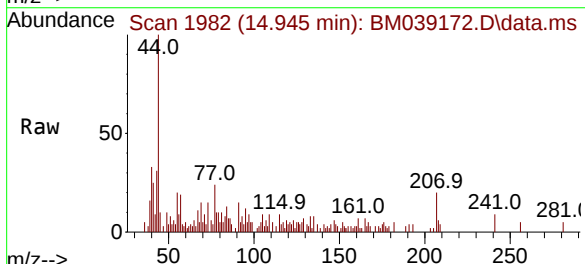
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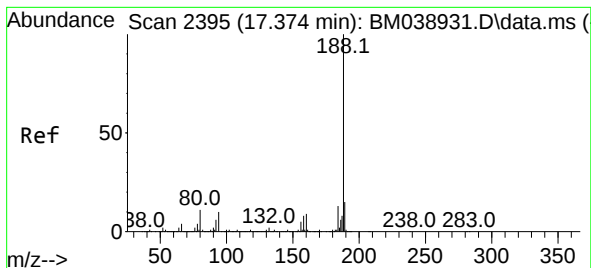
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 240.1 60.6 90.8#
154 102.5 51.4 77.2#



#57
2,4-Dinitrotoluene
Concen: 2.087 ng
RT: 14.945 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:165 Resp: 244
Ion Ratio Lower Upper
165 100
63 62.6 35.9 53.9#
89 33.5 61.0 91.6#
182 75.8 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

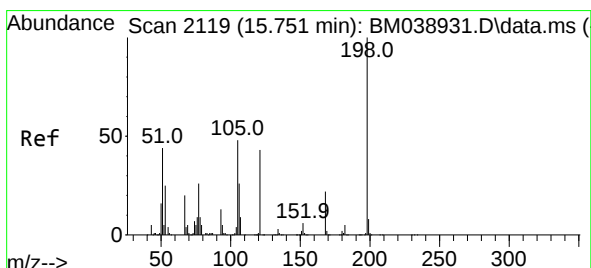
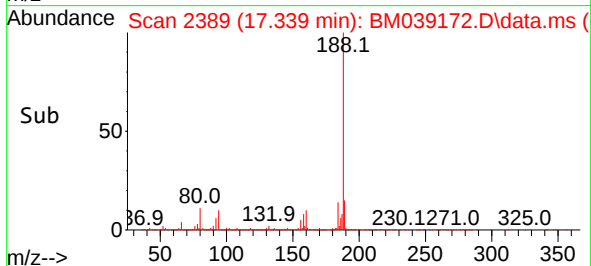
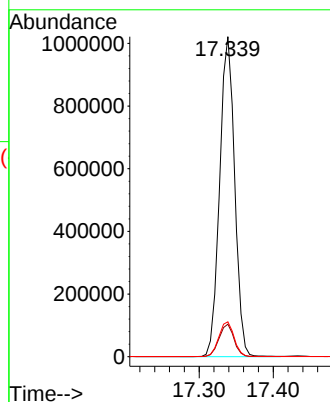
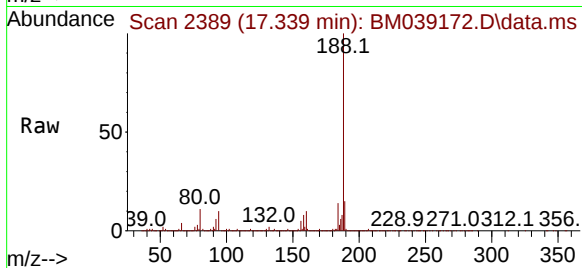
Tgt Ion:188 Resp: 1438055

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 10.9 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.094 ng

RT: 15.756 min Scan# 2120

Delta R.T. 0.041 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

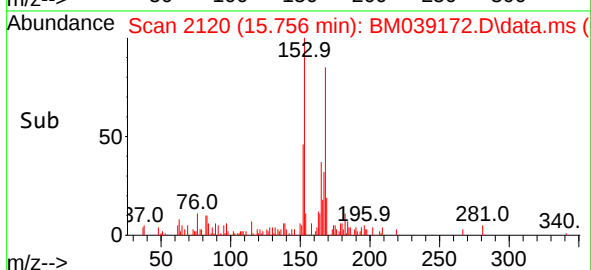
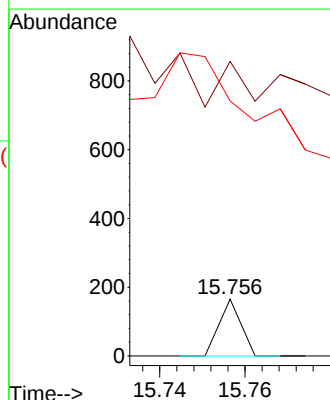
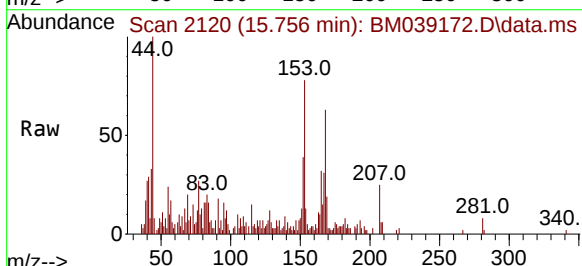
Tgt Ion:198 Resp: 58

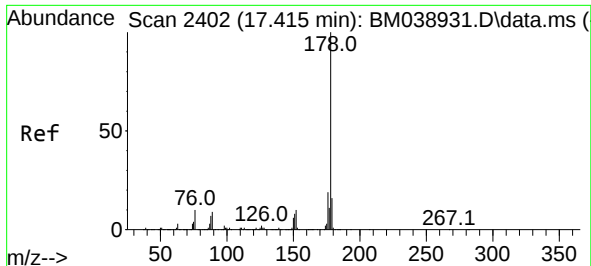
Ion Ratio Lower Upper

198 100

51 519.4 30.1 70.1#

105 449.7 29.3 69.3#

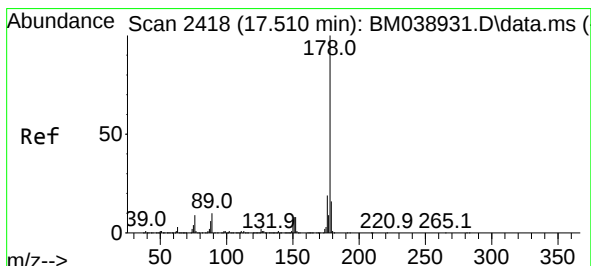
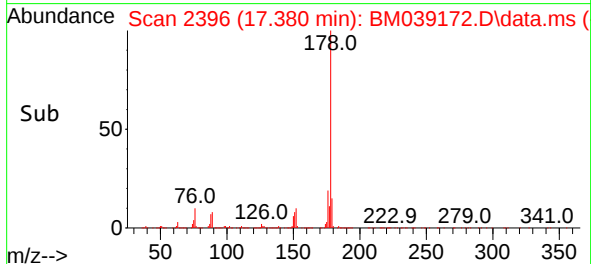
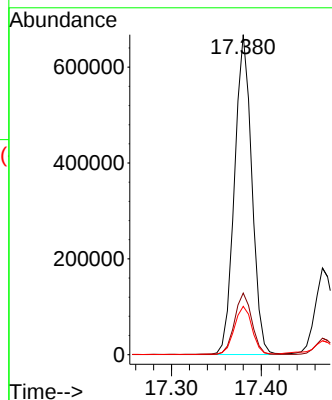
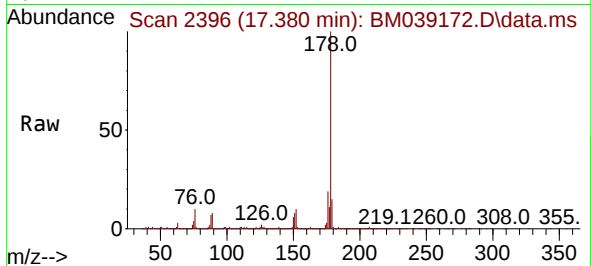




#71
Phenanthrene
Concen: 10.567 ng
RT: 17.380 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

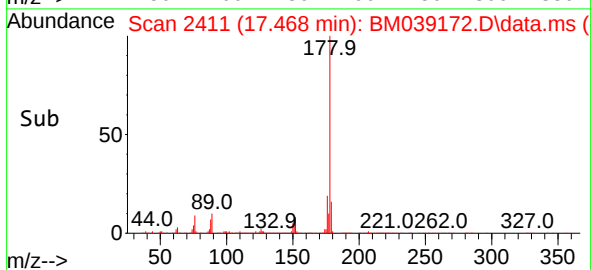
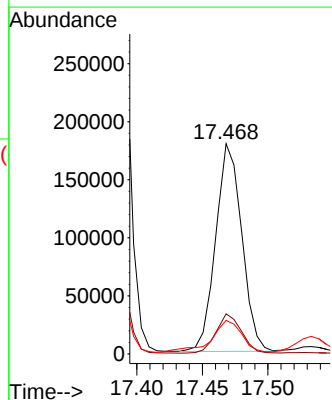
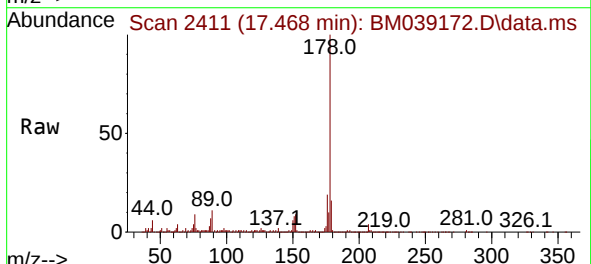
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

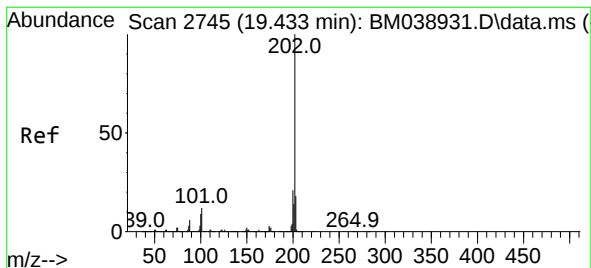
Tgt Ion:178 Resp: 891827
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.1 12.5 18.7



#72
Anthracene
Concen: 2.948 ng
RT: 17.468 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:178 Resp: 248099
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.0 12.5 18.7

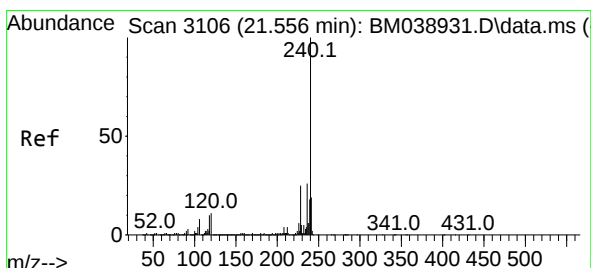
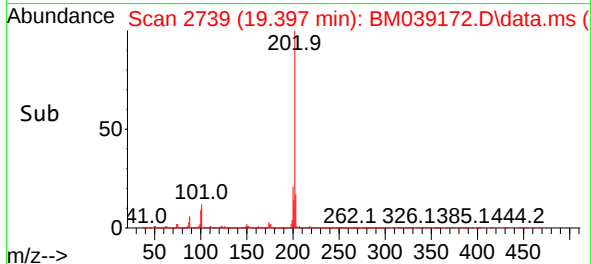
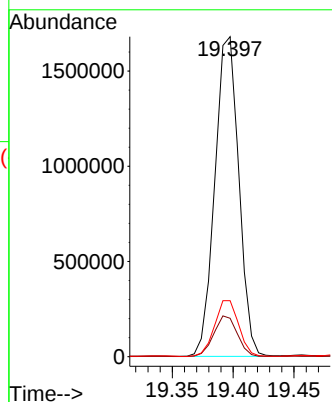
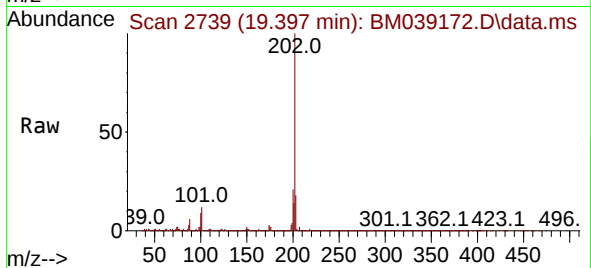




#75
Fluoranthene
Concen: 25.812 ng
RT: 19.397 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

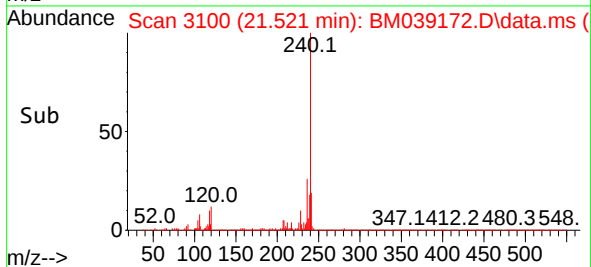
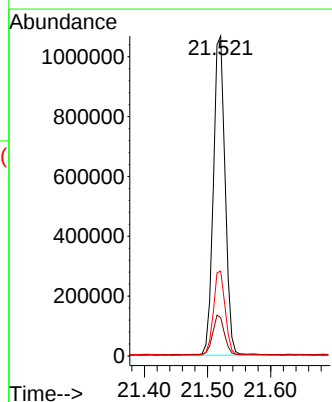
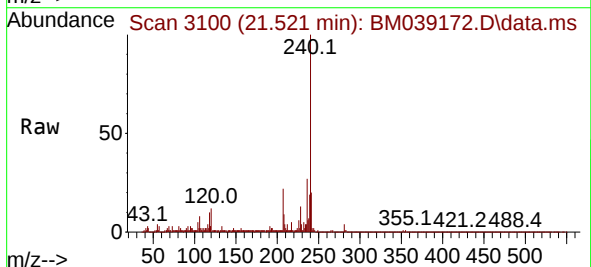
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

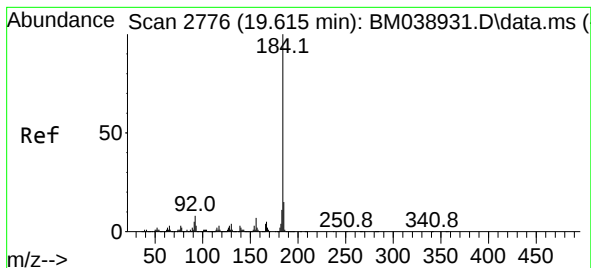
Tgt Ion:202 Resp: 2300196
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3100
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:240 Resp: 1372485
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 26.6 20.8 31.2





#77

Benzidine

Concen: 4.891 ng

RT: 19.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

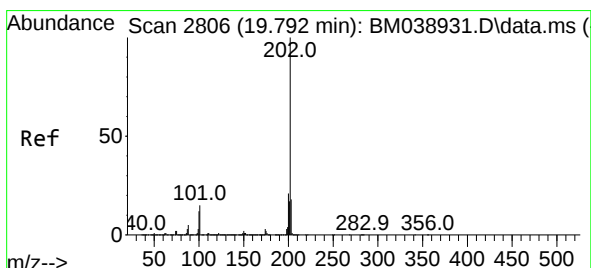
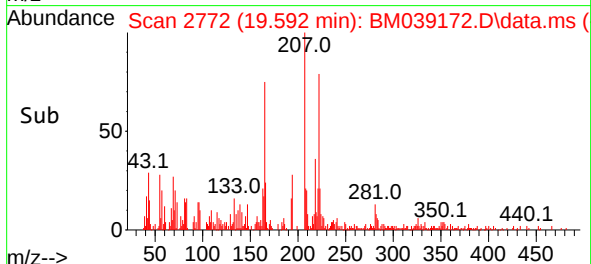
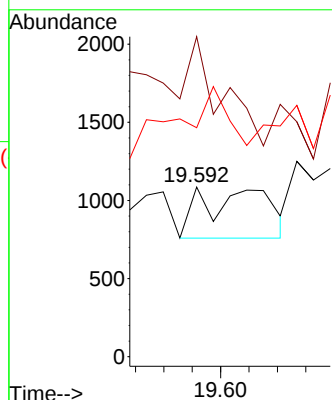
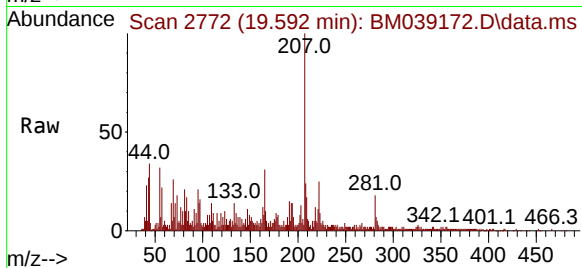
Tgt Ion:184 Resp: 514

Ion Ratio Lower Upper

184 100

185 188.6 12.2 18.4#

183 135.0 8.8 13.2#



#78

Pyrene

Concen: 23.150 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

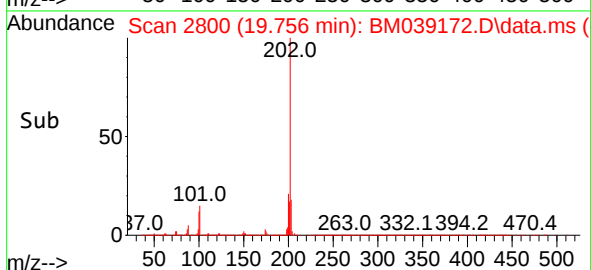
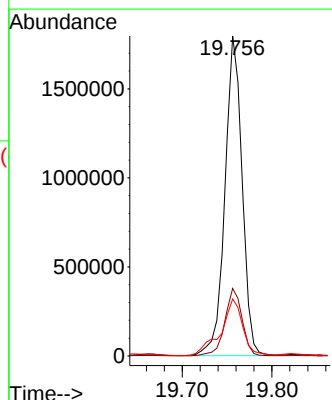
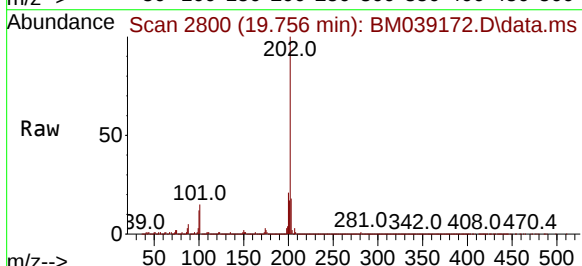
Tgt Ion:202 Resp: 2386389

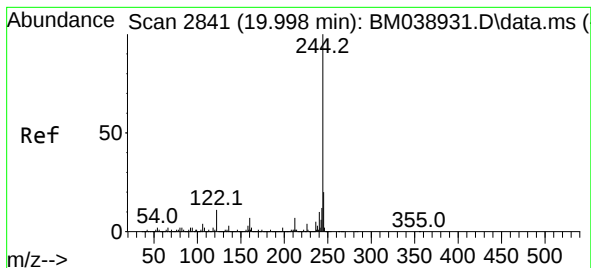
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 26.749 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

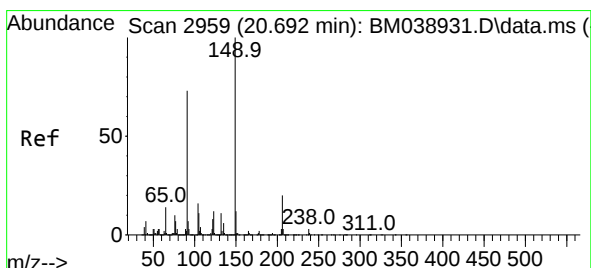
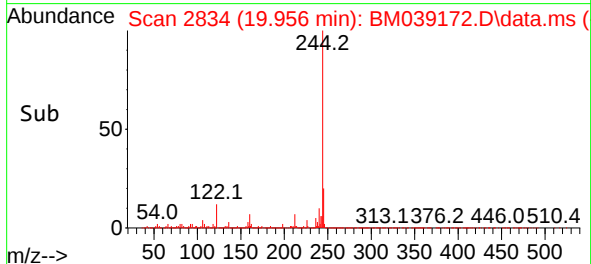
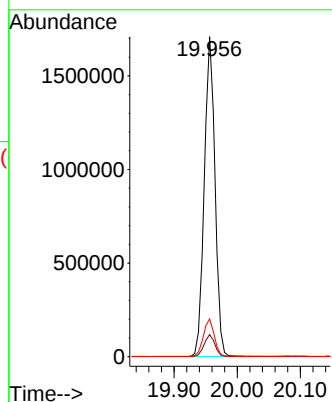
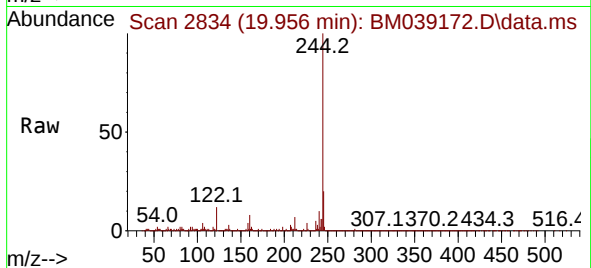
Tgt Ion:244 Resp: 2008010

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.8 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.438 ng

RT: 20.650 min Scan# 2952

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

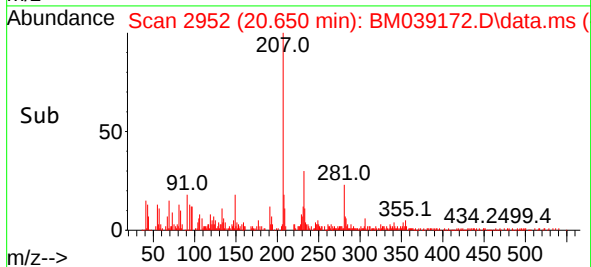
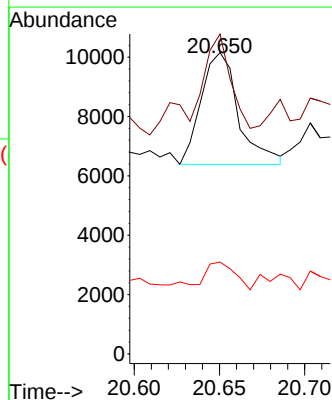
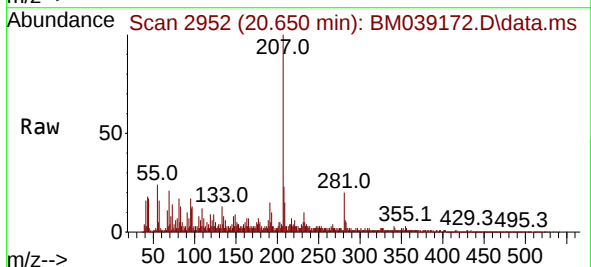
Tgt Ion:149 Resp: 5754

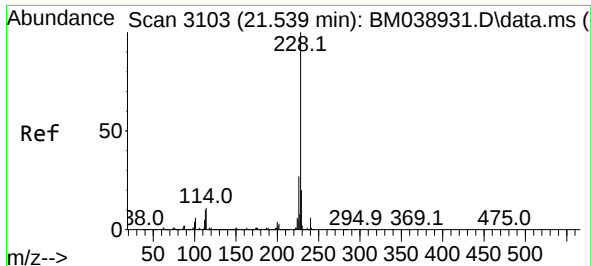
Ion Ratio Lower Upper

149 100

91 106.2 58.4 87.6#

206 30.5 16.1 24.1#

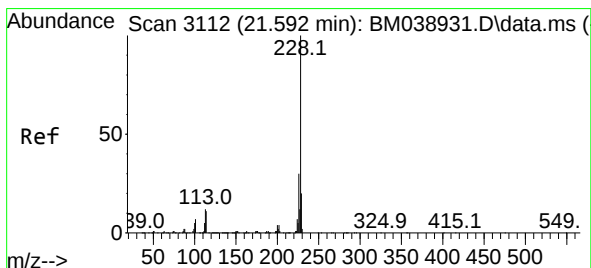
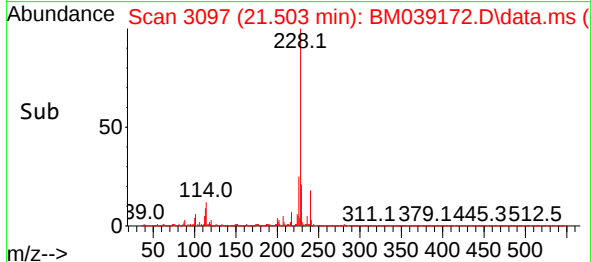
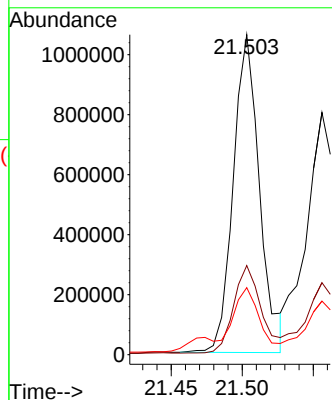
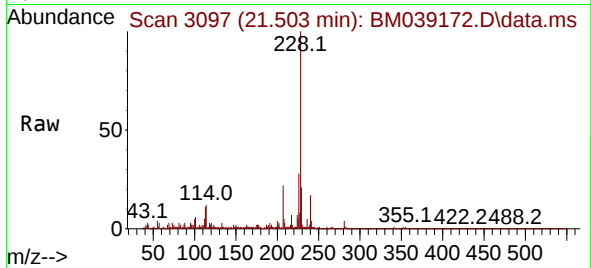




#81
Benzo(a)anthracene
Concen: 13.816 ng
RT: 21.503 min Scan# 3103
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

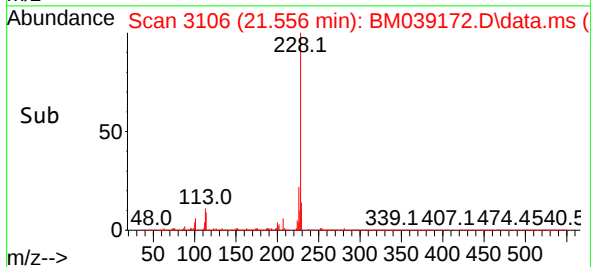
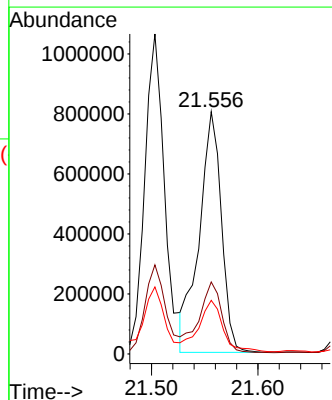
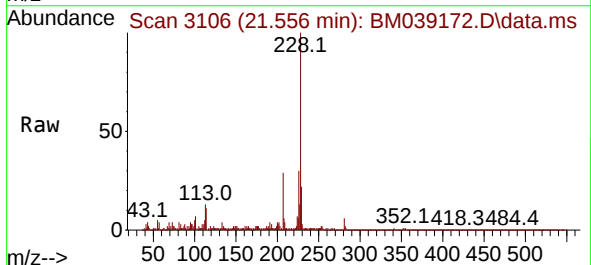
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

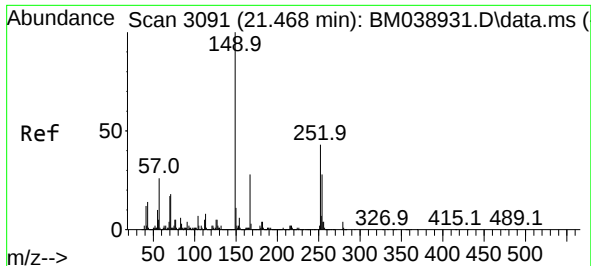
Tgt Ion:228 Resp: 1365558
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.9 15.7 23.5



#83
Chrysene
Concen: 12.130 ng
RT: 21.556 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:228 Resp: 1166062
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.2 16.0 24.0

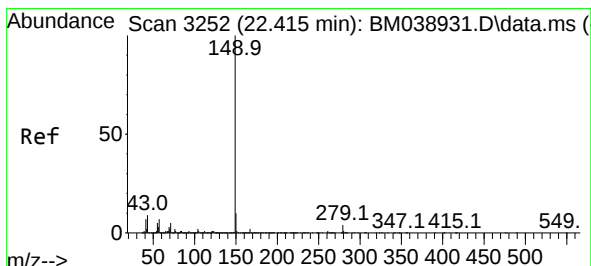
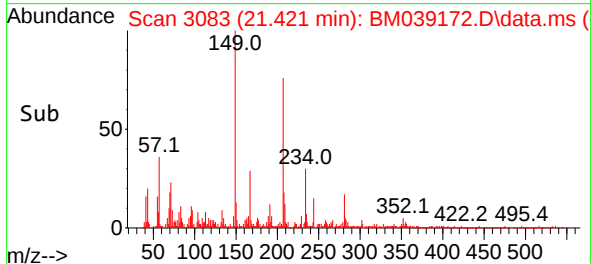
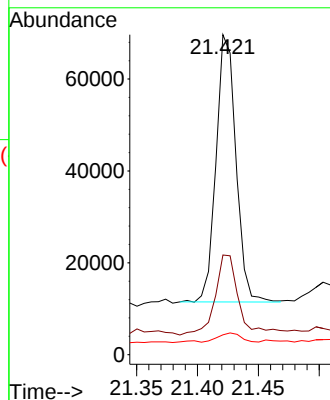
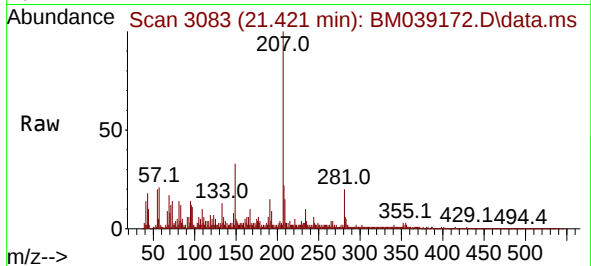




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.475 ng
RT: 21.421 min Scan# 3091
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

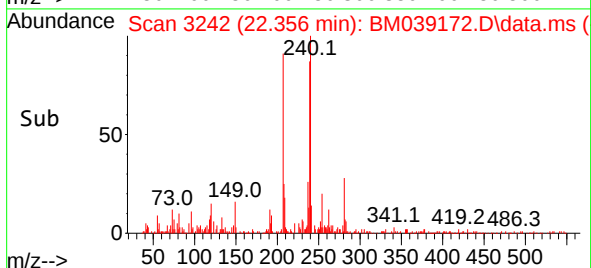
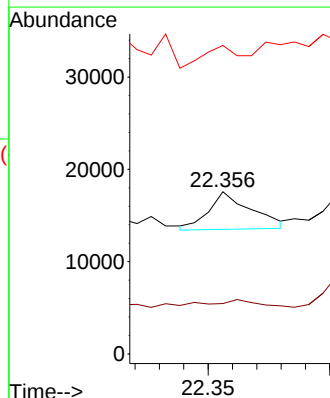
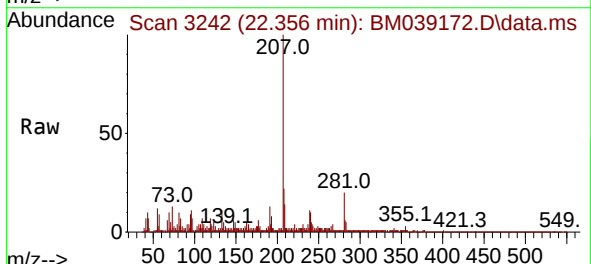
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

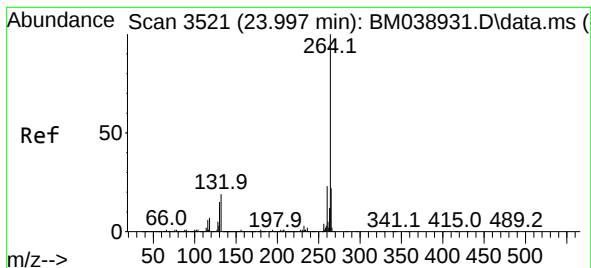
Tgt Ion:149 Resp: 66168
Ion Ratio Lower Upper
149 100
167 31.2 22.3 33.5
279 6.2 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 3.840 ng
RT: 22.356 min Scan# 3242
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:149 Resp: 4918
Ion Ratio Lower Upper
149 100
167 26.0 1.2 1.8#
43 27.1 7.4 11.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.950 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

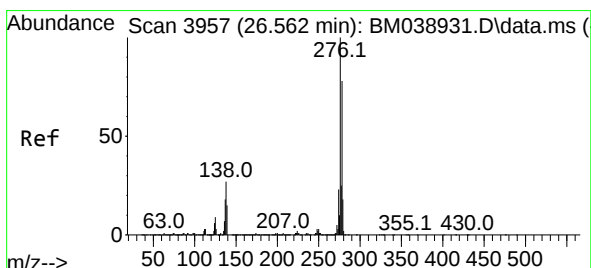
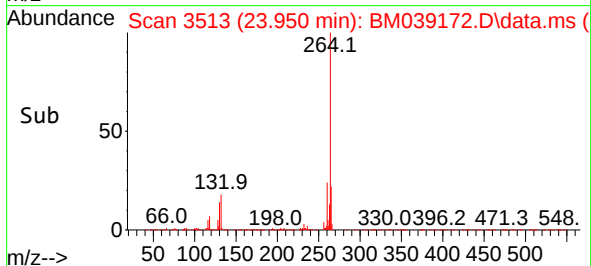
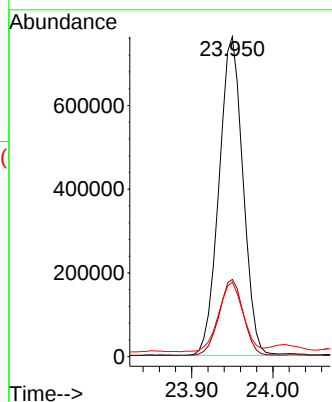
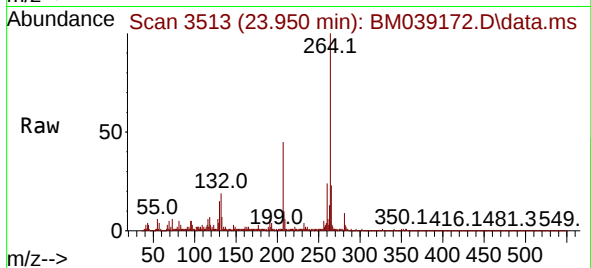
Tgt Ion:264 Resp: 1562168

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 23.3 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.604 ng

RT: 26.473 min Scan# 3942

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

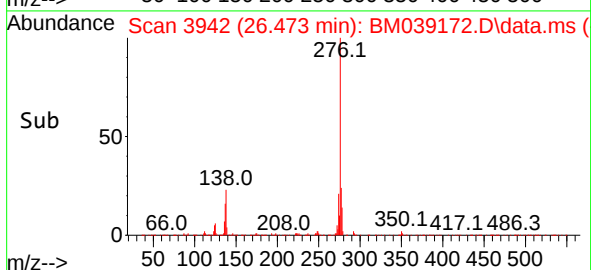
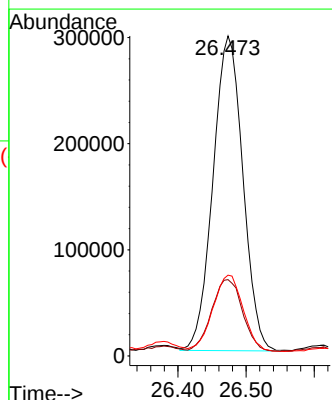
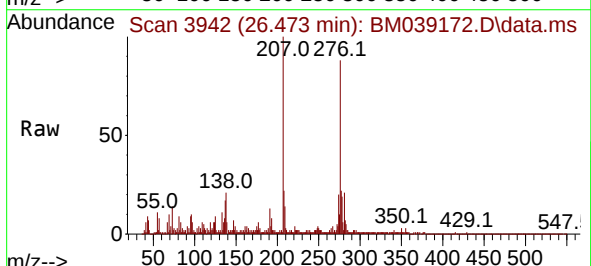
Tgt Ion:276 Resp: 903864

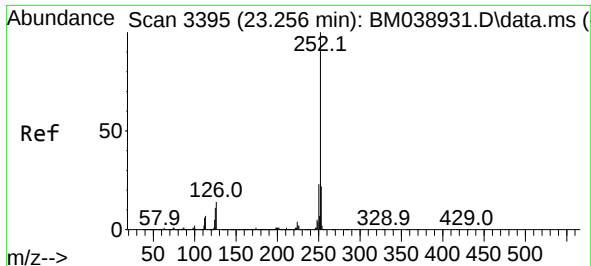
Ion Ratio Lower Upper

276 100

138 23.6 22.1 33.1

277 24.7 20.1 30.1

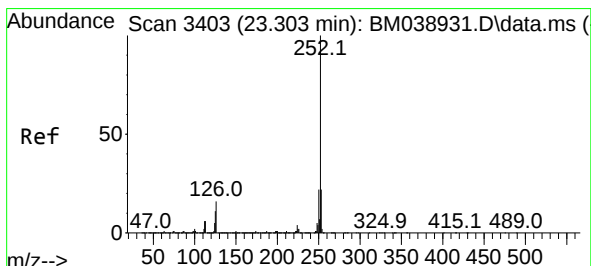
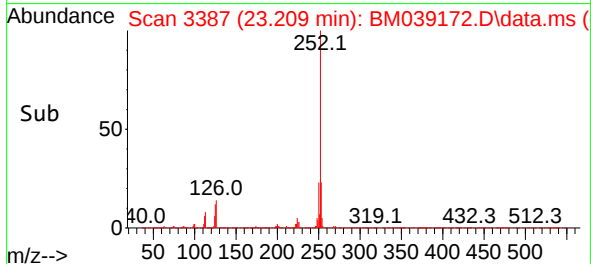
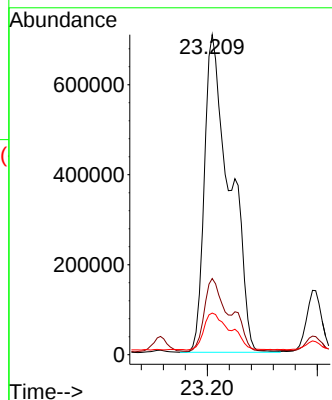
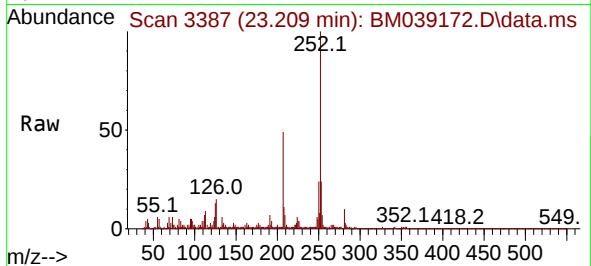




#88
Benzo(b)fluoranthene
Concen: 22.782 ng
RT: 23.209 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

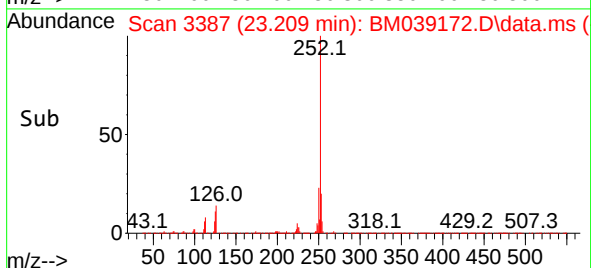
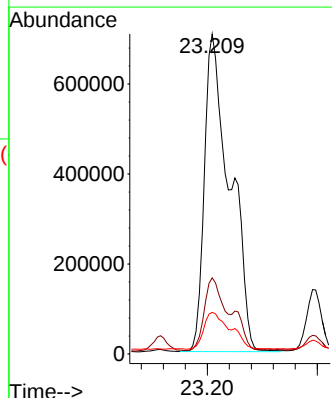
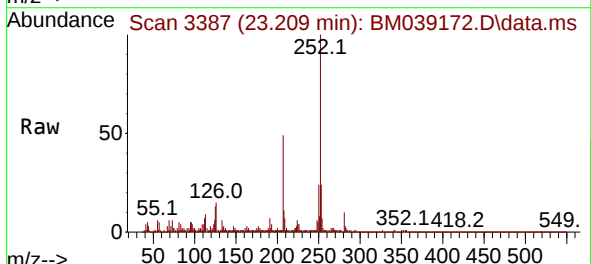
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

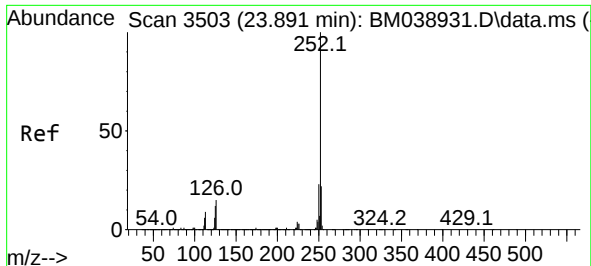
Tgt Ion:252 Resp: 2273725
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 13.0 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 21.901 ng
RT: 23.209 min Scan# 3387
Delta R.T. -0.041 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:252 Resp: 2274704
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 13.0 8.9 13.3

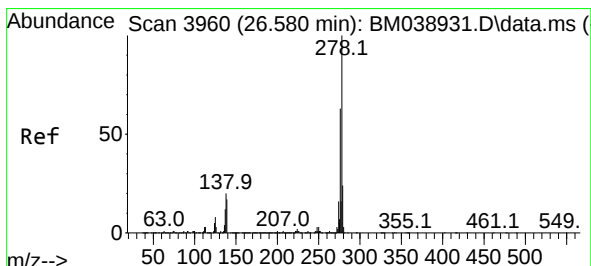
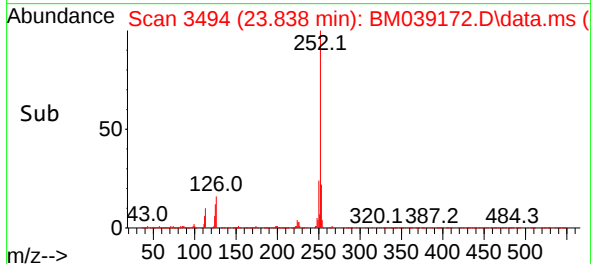
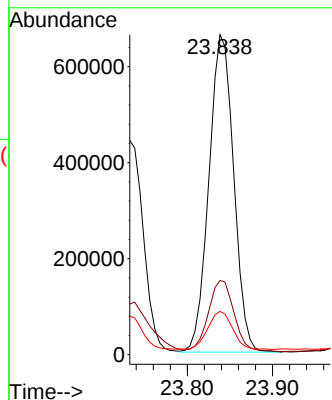
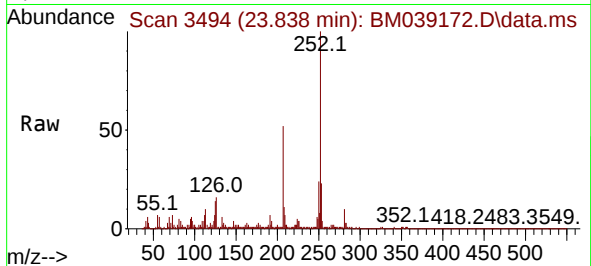




#90
Benzo(a)pyrene
Concen: 13.884 ng
RT: 23.838 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

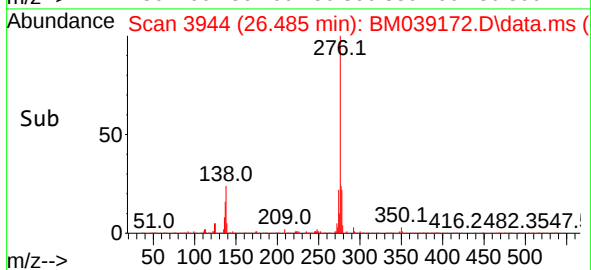
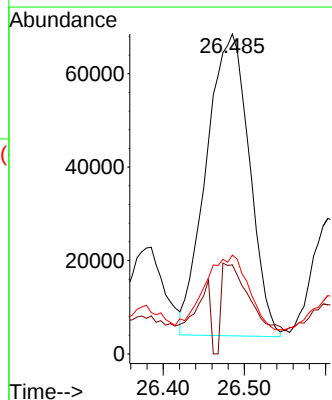
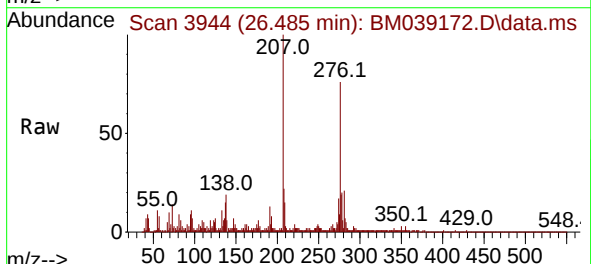
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

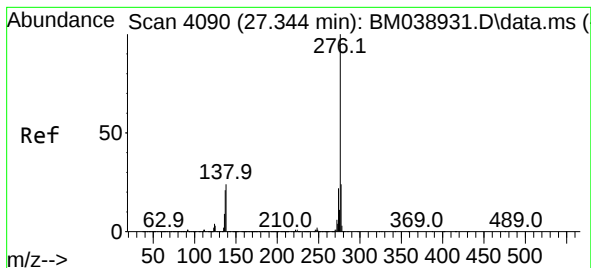
Tgt Ion:252 Resp: 1333554
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.6 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 2.364 ng
RT: 26.485 min Scan# 3944
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:278 Resp: 238006
Ion Ratio Lower Upper
278 100
139 27.8 13.7 20.5#
279 30.9 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 9.414 ng

RT: 27.256 min Scan# 40

Delta R.T. 0.012 min

Lab File: BM039172.D

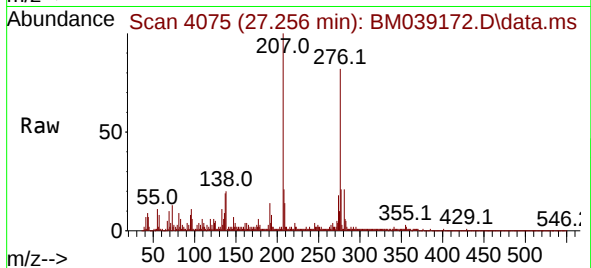
Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023



Tgt Ion:276 Resp: 927152

Ion Ratio Lower Upper

276 100

277 24.9 19.3 28.9

138 24.9 19.0 28.6

