

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039135.D
 Acq On : 24 Mar 2023 02:59
 Operator : CG/JU
 Sample : 01932-19DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423DL

Quant Time: Mar 24 04:37:37 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 22 03:36:20 2023
 Response via : Initial Calibration

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

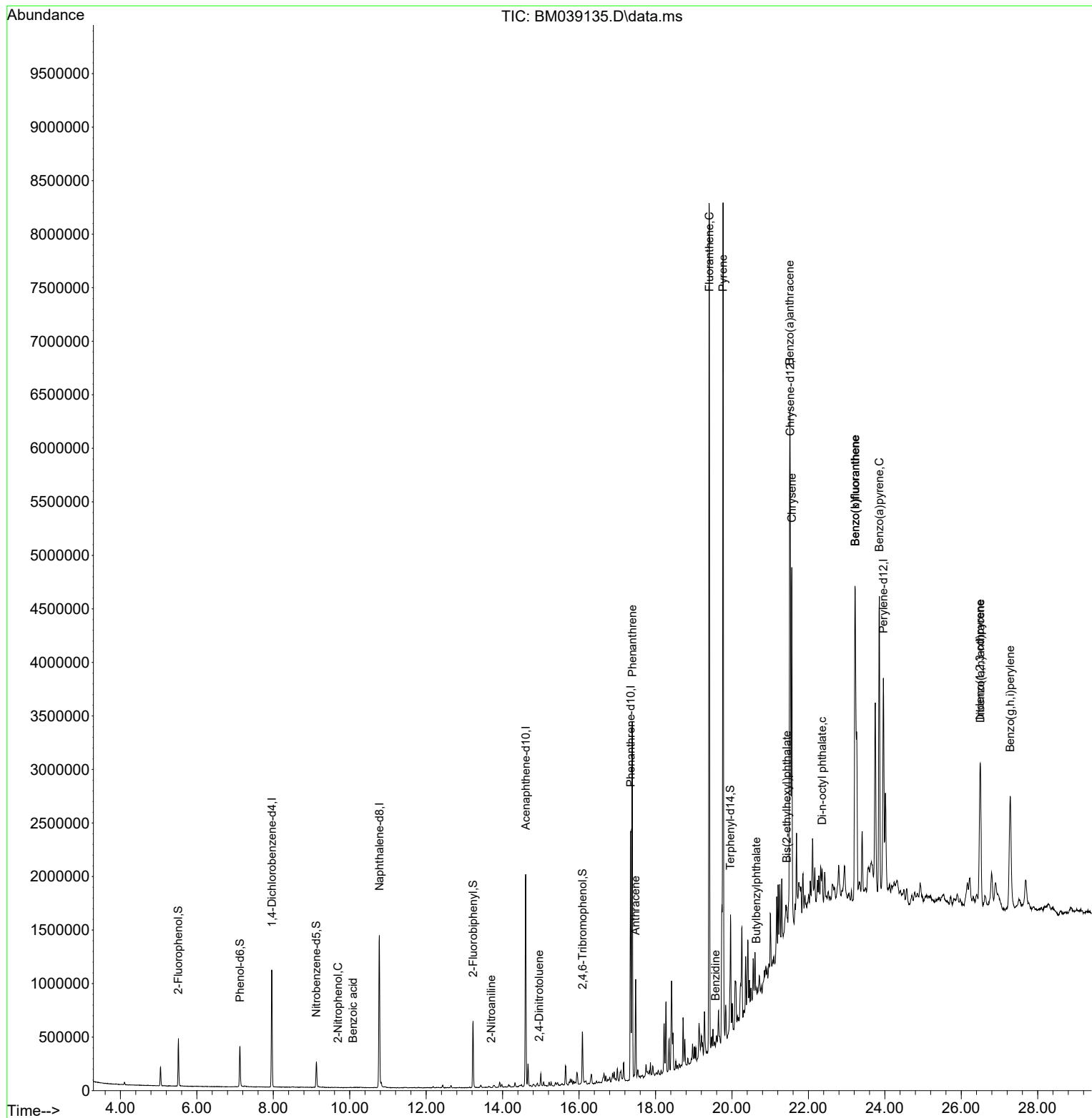
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	301112	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1205861	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	693317	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1430479	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1242647	20.000	ng	0.00
86) Perylene-d12	23.962	264	1406917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	194479	9.813	ng	0.00
7) Phenol-d6	7.128	99	240676	9.349	ng	0.00
23) Nitrobenzene-d5	9.128	82	144229	5.875	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	74934	9.343	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	327804	6.155	ng	0.00
79) Terphenyl-d14	19.962	244	491393	7.230	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.692	139	65	2.996	ng	# 23
32) Benzoic acid	10.086	122	56	5.736	ng	# 1
48) 2-Nitroaniline	13.704	65	173	2.227	ng	# 39
57) 2,4-Dinitrotoluene	14.957	165	248	2.087	ng	# 60
71) Phenanthrene	17.392	178	1942114	23.133	ng	100
72) Anthracene	17.480	178	563059	6.725	ng	99
75) Fluoranthene	19.409	202	4753023	53.619	ng	100
77) Benzidine	19.574	184	106	4.880	ng	# 1
78) Pyrene	19.768	202	4640977	49.725	ng	99
80) Butylbenzylphthalate	20.639	149	354	3.324	ng	# 63
81) Benzo(a)anthracene	21.515	228	2254019	25.188	ng	98
83) Chrysene	21.568	228	1889643	21.711	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	41378	3.169	ng	# 97
85) Di-n-octyl phthalate	22.362	149	1693	3.813	ng	# 48
87) Indeno(1,2,3-cd)pyrene	26.491	276	1416022	13.227	ng	96
88) Benzo(b)fluoranthene	23.227	252	2858748	31.805	ng	98
89) Benzo(k)fluoranthene	23.227	252	2858748	30.561	ng	98
90) Benzo(a)pyrene	23.856	252	2125731	24.573	ng	98
91) Dibenzo(a,h)anthracene	26.503	278	357290	3.941	ng	# 87
92) Benzo(g,h,i)perylene	27.285	276	1381903	15.579	ng	99

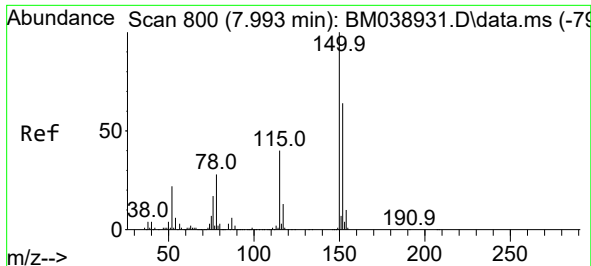
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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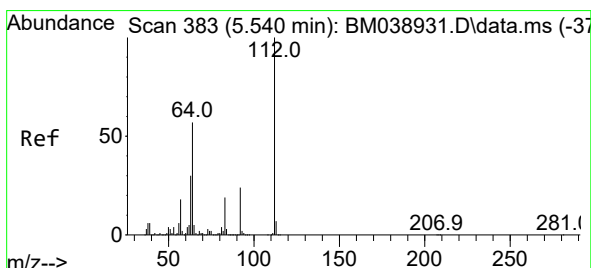
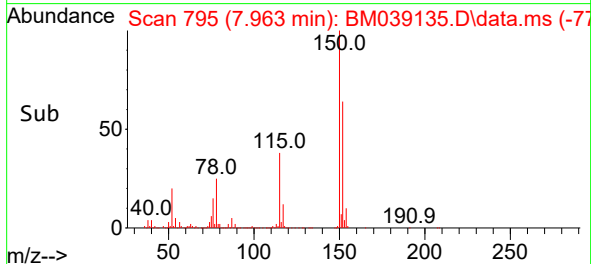
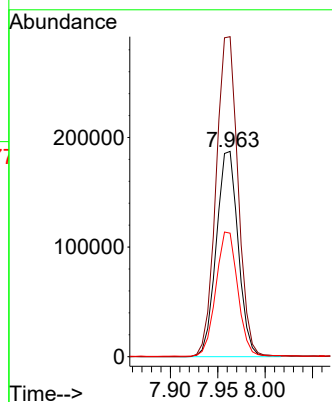
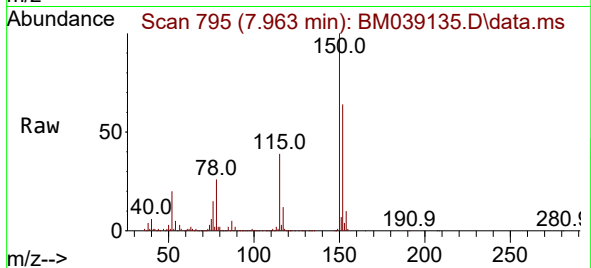




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

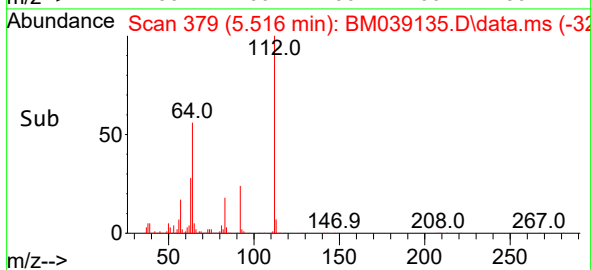
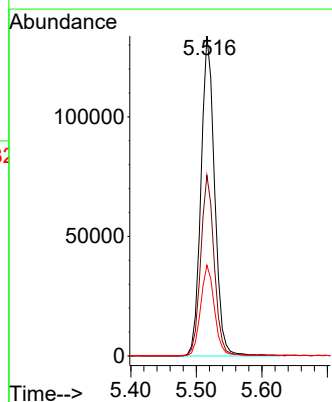
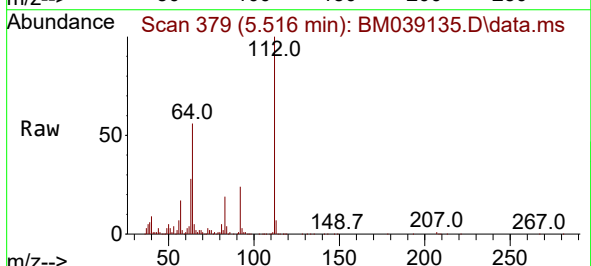
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

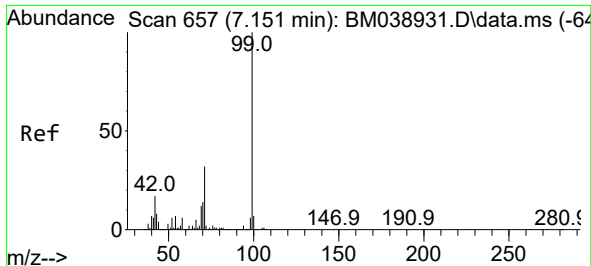
Tgt Ion:152 Resp: 301112
Ion Ratio Lower Upper
152 100
150 155.9 125.1 187.7
115 60.2 49.6 74.4



#5
2-Fluorophenol
Concen: 9.813 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:112 Resp: 194479
Ion Ratio Lower Upper
112 100
64 56.5 45.9 68.9
63 28.3 23.8 35.8

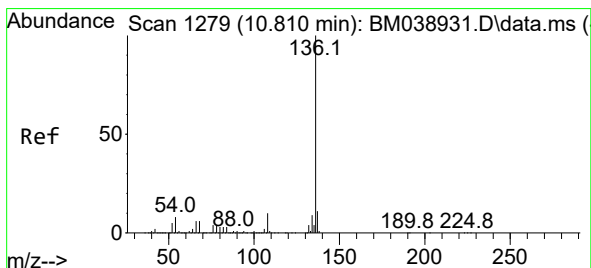
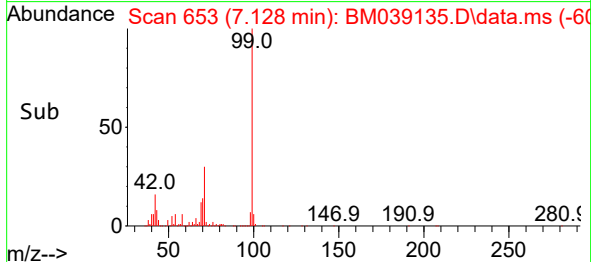
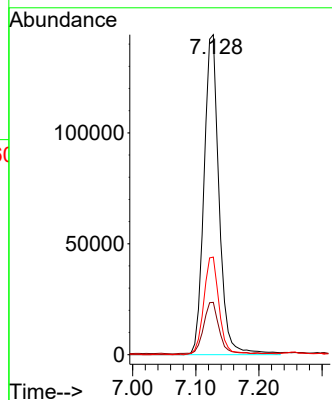
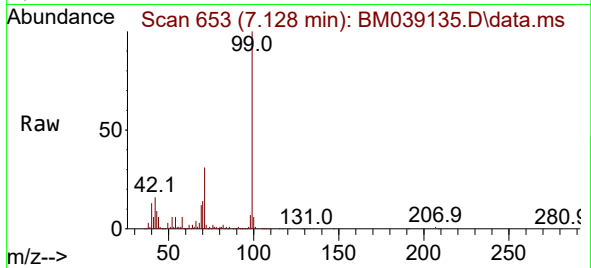




#7
Phenol-d6
Concen: 9.349 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

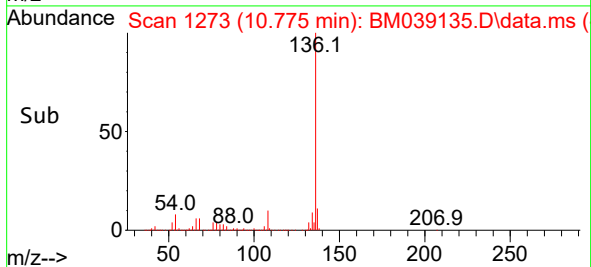
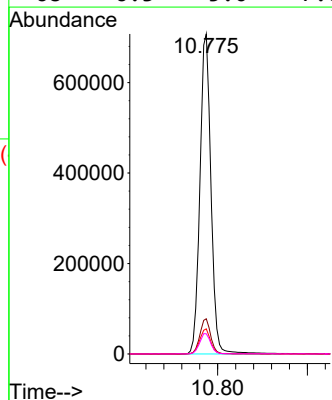
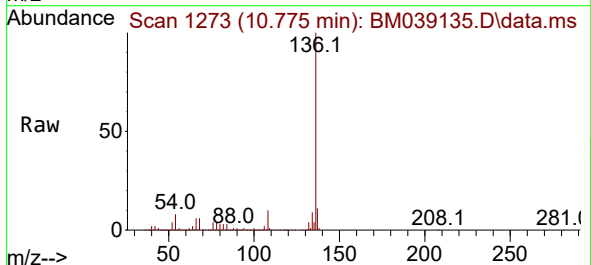
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

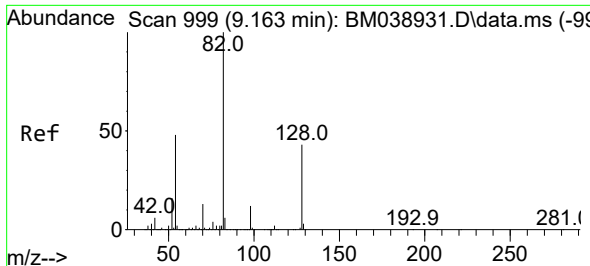
Tgt Ion: 99 Resp: 240676
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 30.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion: 136 Resp: 1205861
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.8 6.3 9.5
68 6.3 5.0 7.6

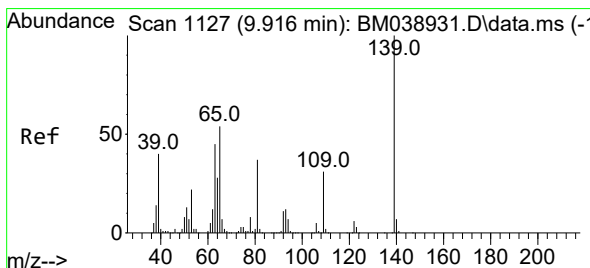
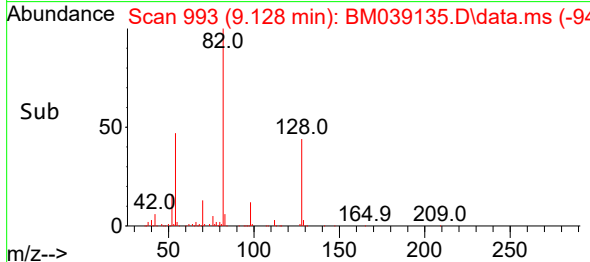
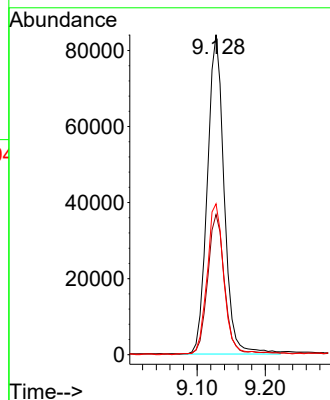
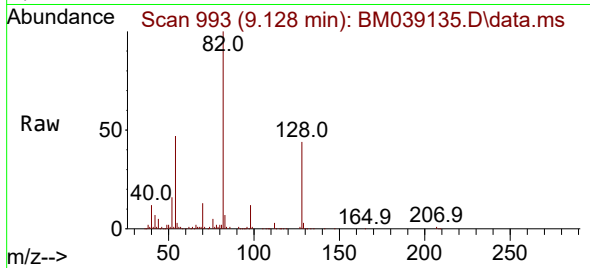




#23
Nitrobenzene-d5
Concen: 5.875 ng
RT: 9.128 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

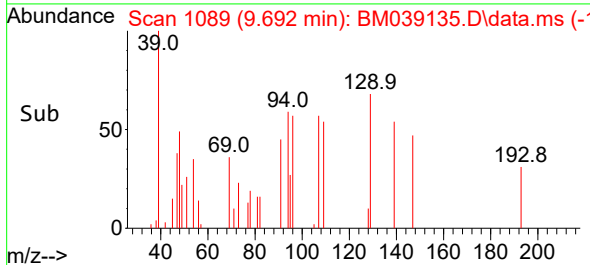
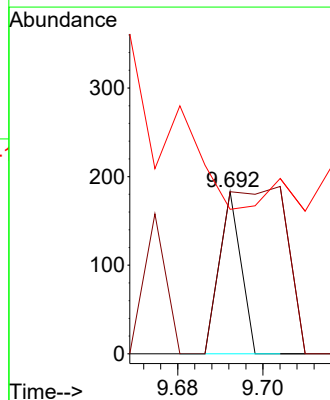
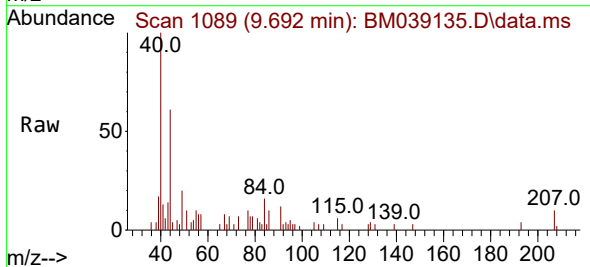
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

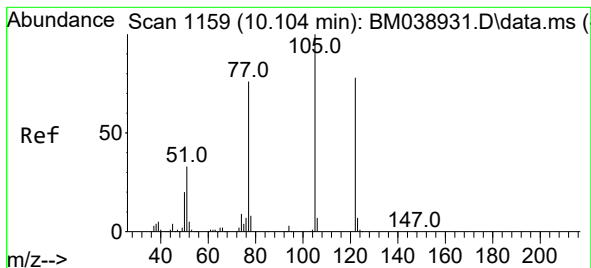
Tgt Ion: 82 Resp: 144229
Ion Ratio Lower Upper
82 100
128 43.8 34.4 51.6
54 47.2 38.8 58.2



#26
2-Nitrophenol
Concen: 2.996 ng
RT: 9.692 min Scan# 1089
Delta R.T. -0.200 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:139 Resp: 65
Ion Ratio Lower Upper
139 100
109 100.0 24.5 36.7#
65 89.1 43.0 64.6#





#32

Benzoic acid

Concen: 5.736 ng

RT: 10.086 min Scan# 1159

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

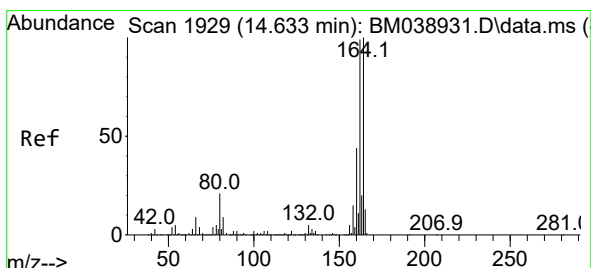
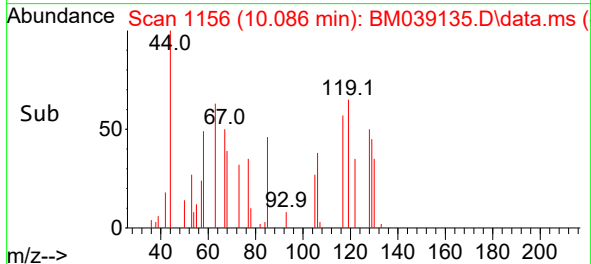
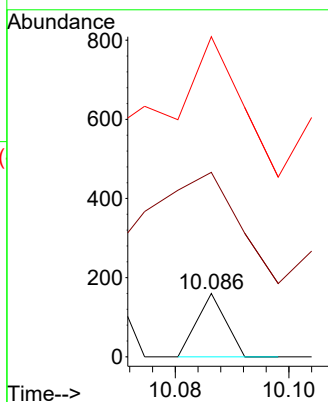
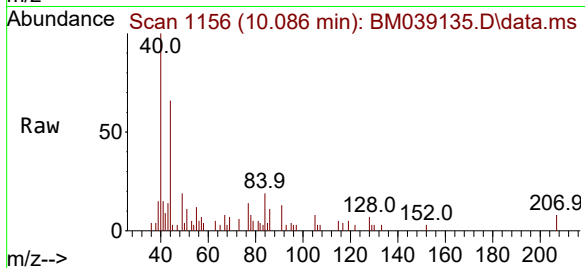
Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

Tgt Ion:	122	Resp:	56
Ion	Ratio	Lower	Upper
122	100		
105	291.3	104.2	144.2#
77	505.6	75.1	115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

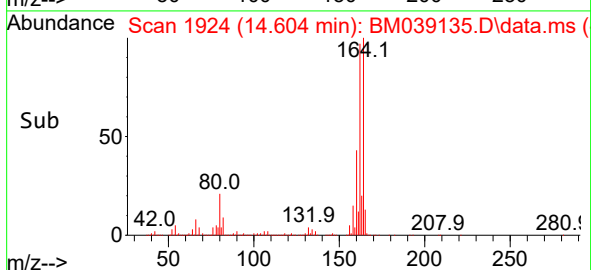
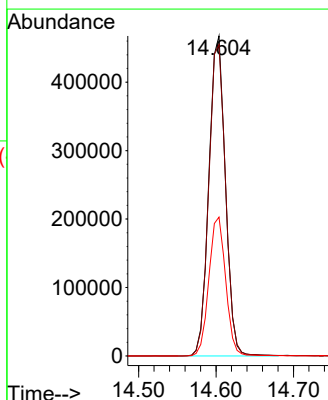
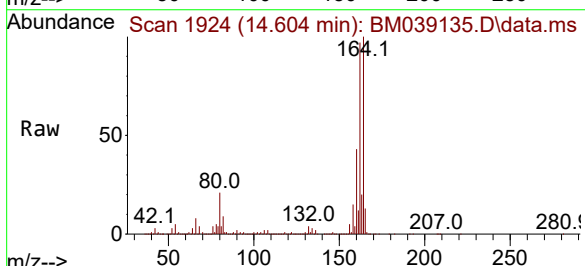
RT: 14.604 min Scan# 1924

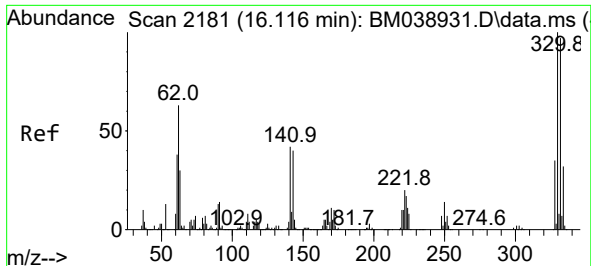
Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Tgt Ion:	164	Resp:	693317
Ion	Ratio	Lower	Upper
164	100		
162	97.3	79.2	118.8
160	43.4	35.5	53.3

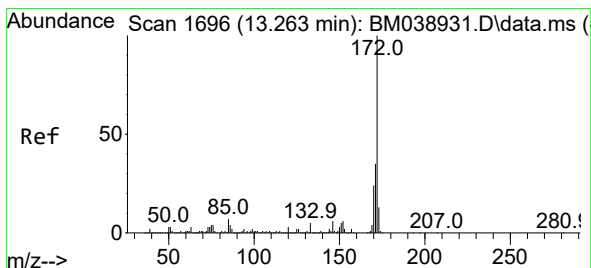
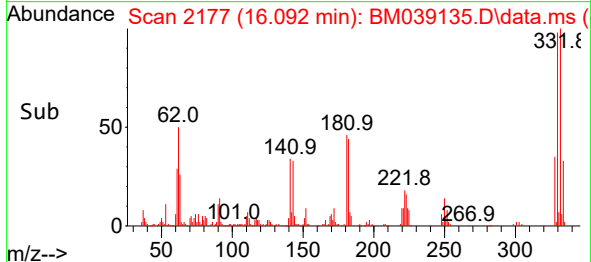
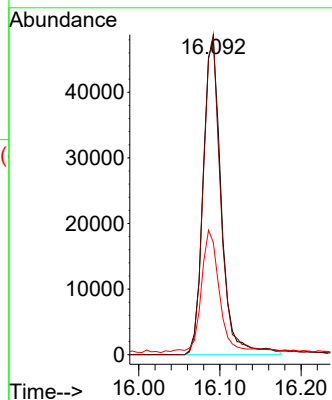
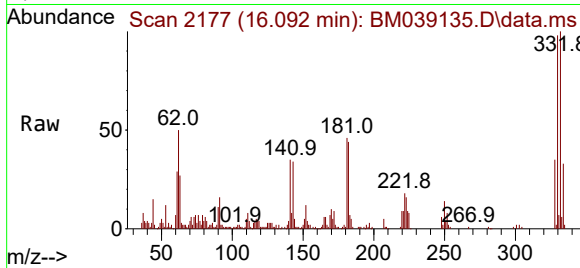




#42
2,4,6-Tribromophenol
Concen: 9.343 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

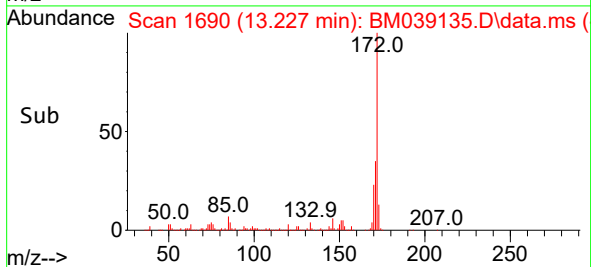
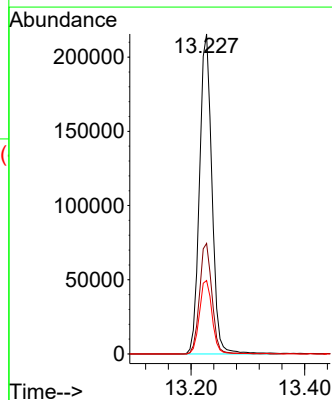
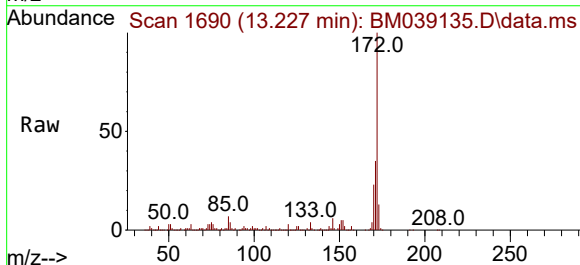
Instrument :
BNA_M
ClientSampleId :
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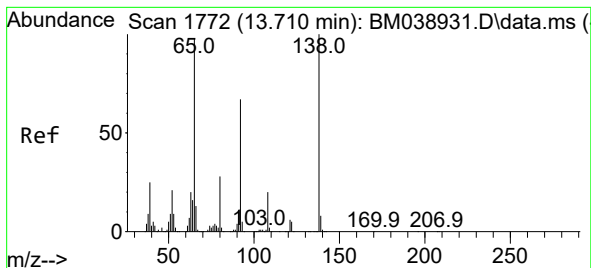
Tgt Ion:330 Resp: 74934
Ion Ratio Lower Upper
330 100
332 98.8 77.4 116.0
141 40.8 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 6.155 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:172 Resp: 327804
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.0 19.1 28.7





#48

2-Nitroaniline

Concen: 2.227 ng

RT: 13.704 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

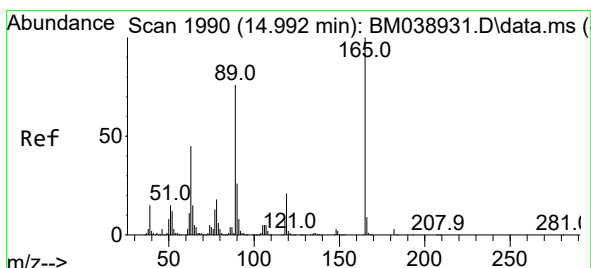
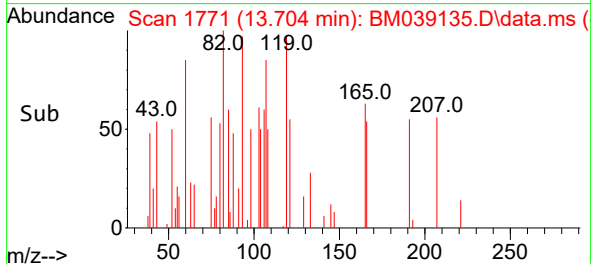
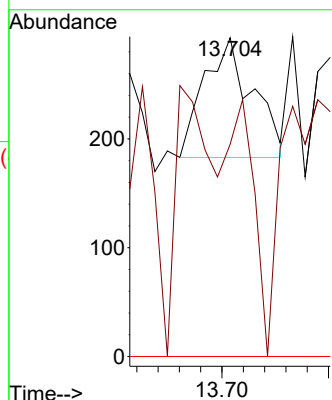
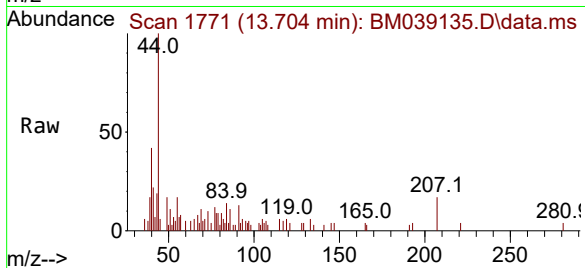
Tgt Ion: 65 Resp: 173

Ion Ratio Lower Upper

65 100

92 66.6 54.9 82.3

138 0.0 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.087 ng

RT: 14.957 min Scan# 1984

Delta R.T. -0.012 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Tgt Ion: 165 Resp: 248

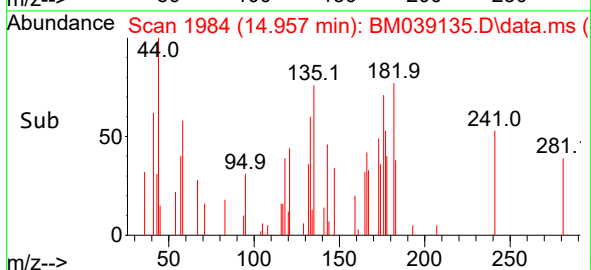
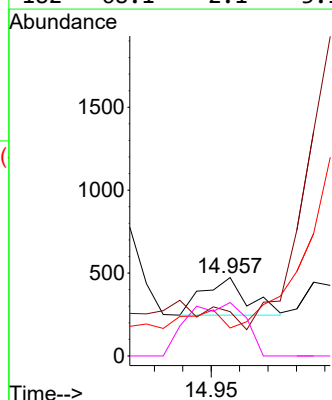
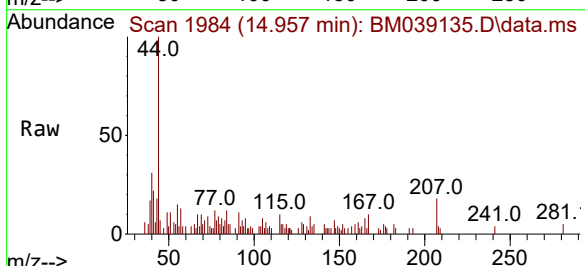
Ion Ratio Lower Upper

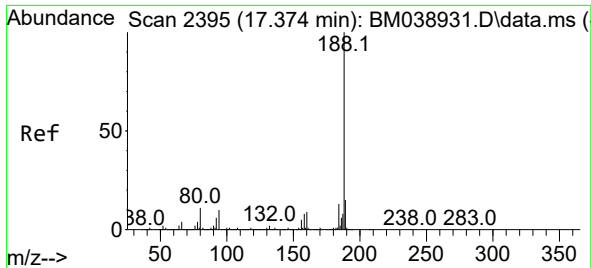
165 100

63 56.4 35.9 53.9#

89 35.7 61.0 91.6#

182 68.1 2.1 3.1#

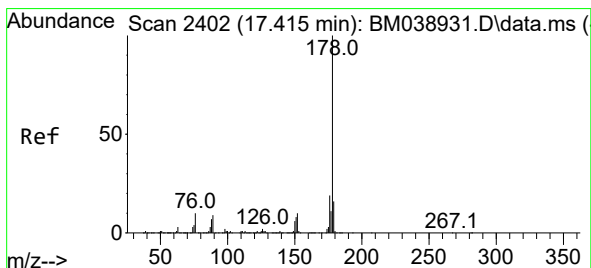
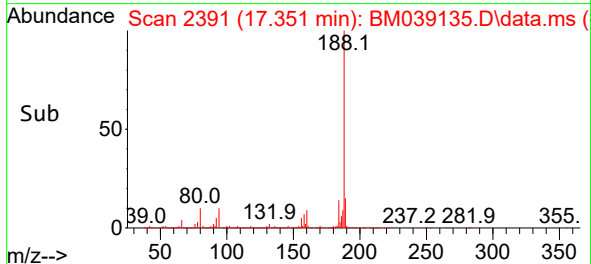
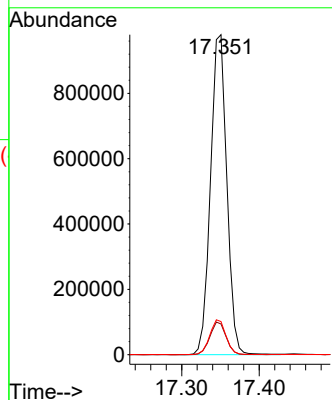
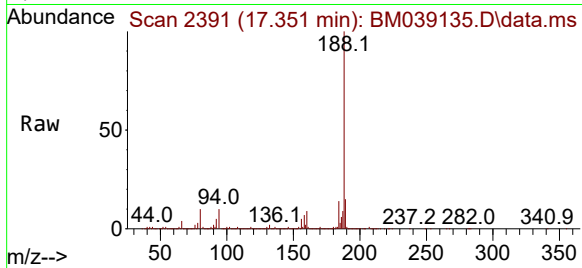




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

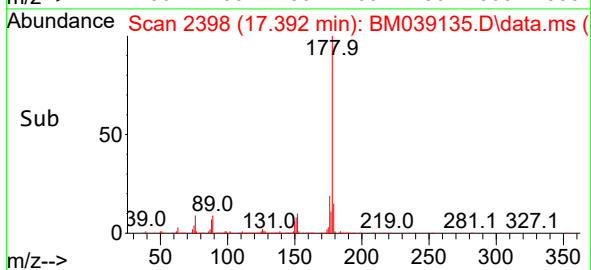
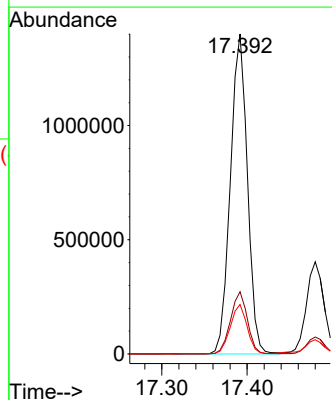
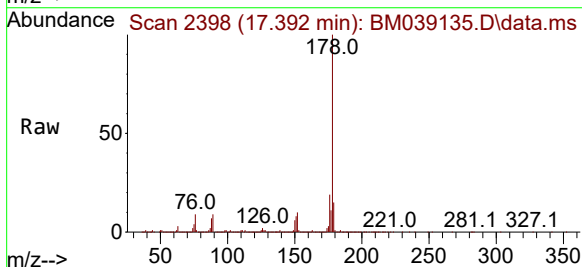
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

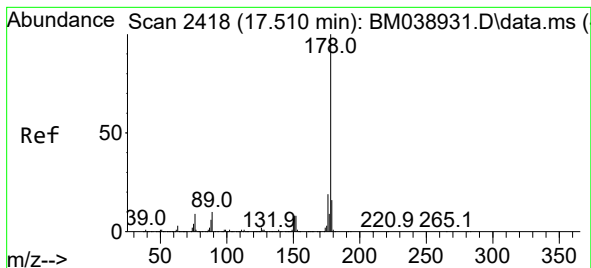
Tgt Ion:188 Resp: 1430479
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.4 8.5 12.7



#71
Phenanthrene
Concen: 23.133 ng
RT: 17.392 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:178 Resp: 1942114
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.5 12.5 18.7





#72

Anthracene

Concen: 6.725 ng

RT: 17.480 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

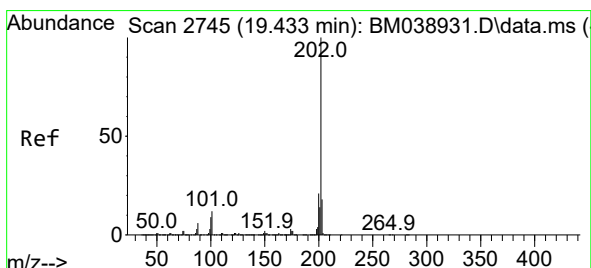
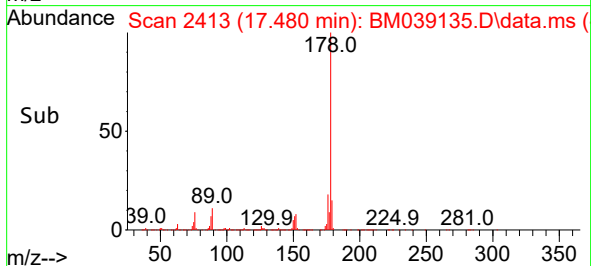
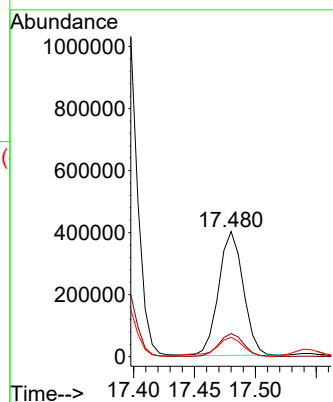
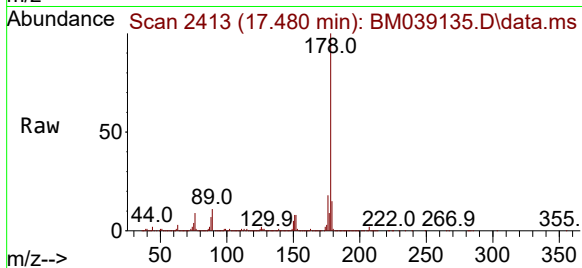
Tgt Ion:178 Resp: 563059

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.5 12.5 18.7



#75

Fluoranthene

Concen: 53.619 ng

RT: 19.409 min Scan# 2741

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

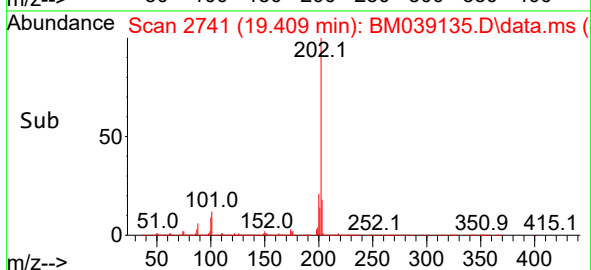
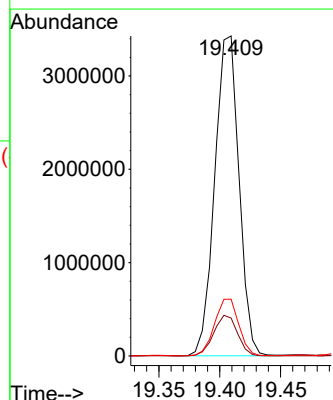
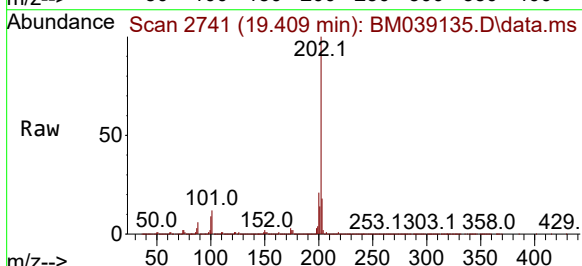
Tgt Ion:202 Resp: 4753023

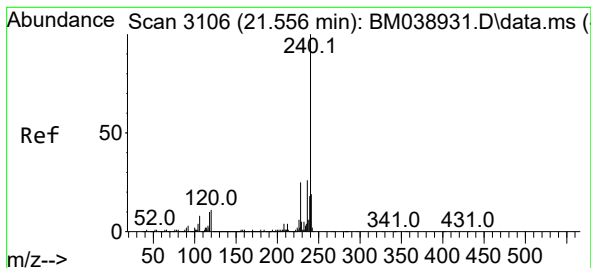
Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.7

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

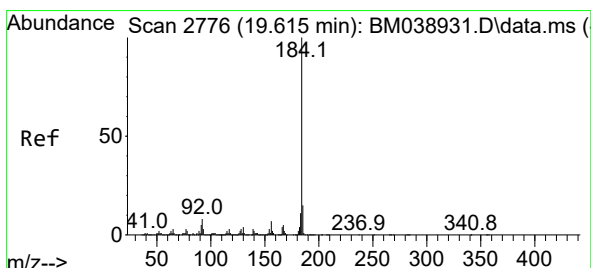
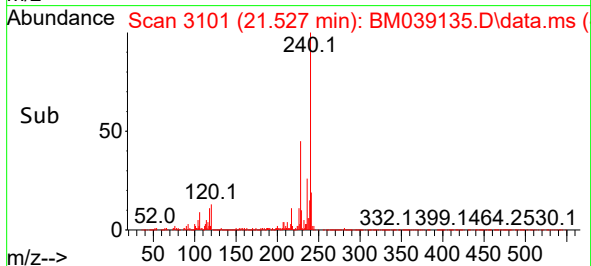
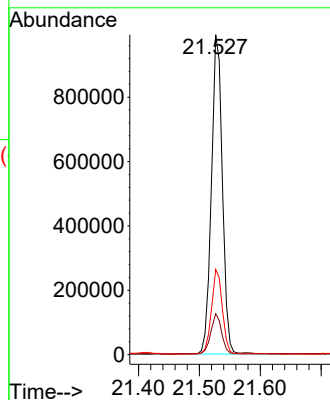
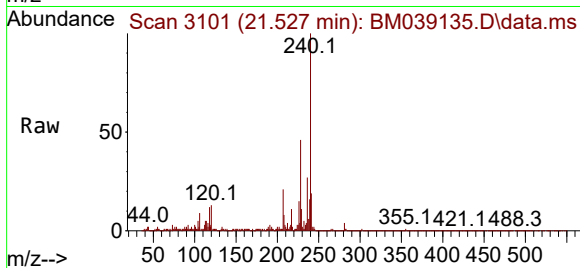
Tgt Ion:240 Resp: 1242647

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 26.6 20.8 31.2



#77

Benzidine

Concen: 4.880 ng

RT: 19.574 min Scan# 2769

Delta R.T. -0.018 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

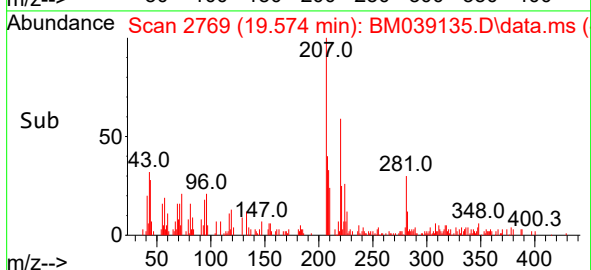
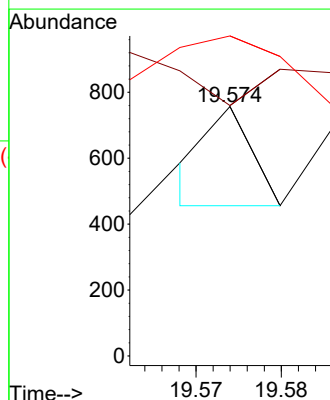
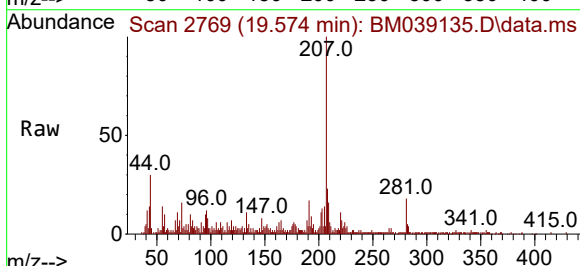
Tgt Ion:184 Resp: 106

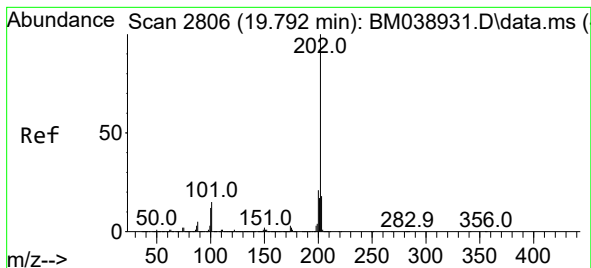
Ion Ratio Lower Upper

184 100

185 100.4 12.2 18.4#

183 128.3 8.8 13.2#





#78

Pyrene

Concen: 49.725 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

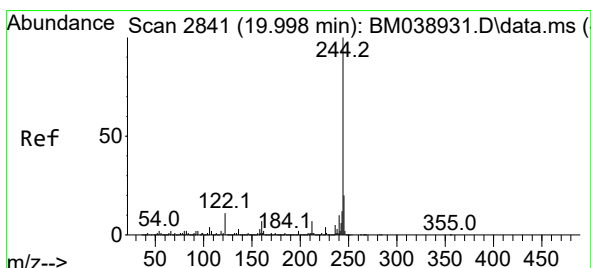
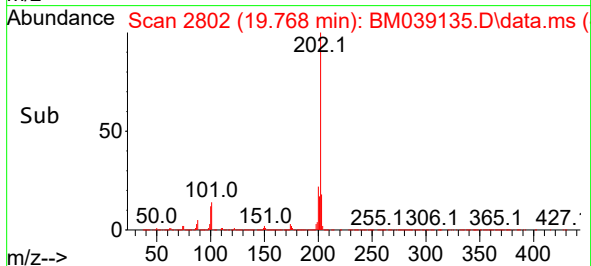
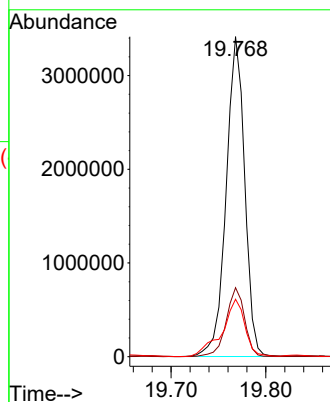
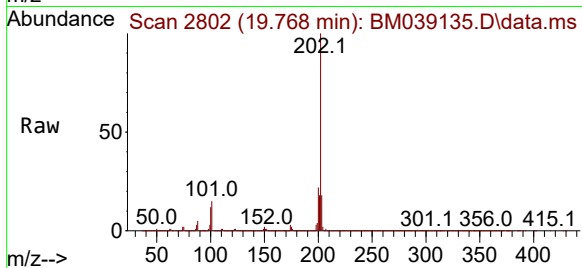
Tgt Ion:202 Resp: 4640977

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 7.230 ng

RT: 19.962 min Scan# 2835

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

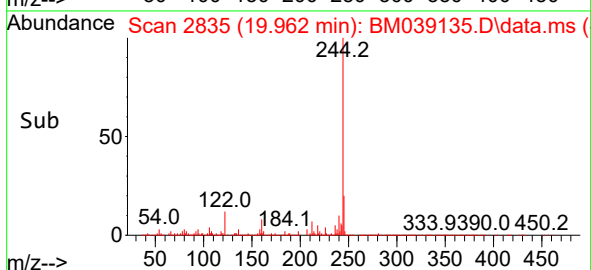
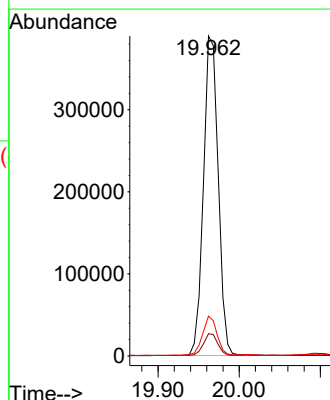
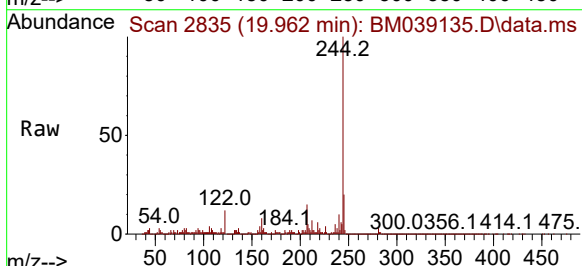
Tgt Ion:244 Resp: 491393

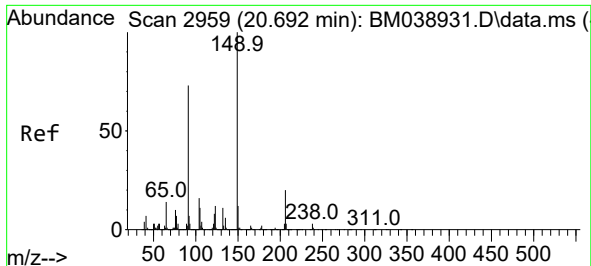
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 12.4 9.0 13.4

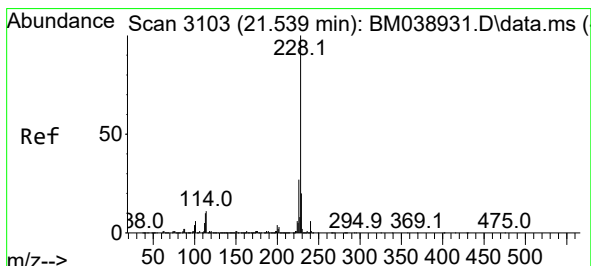
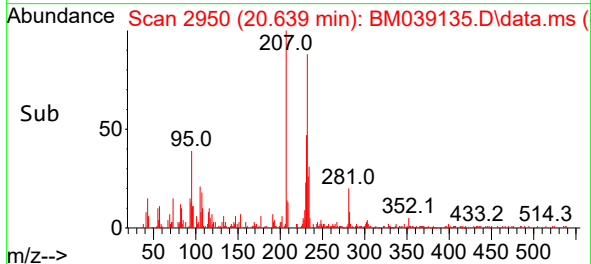
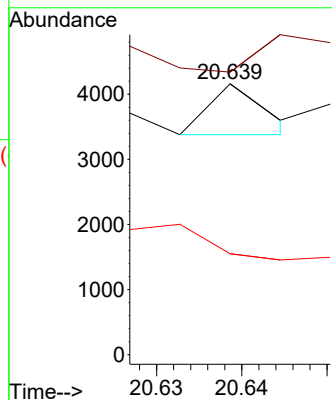
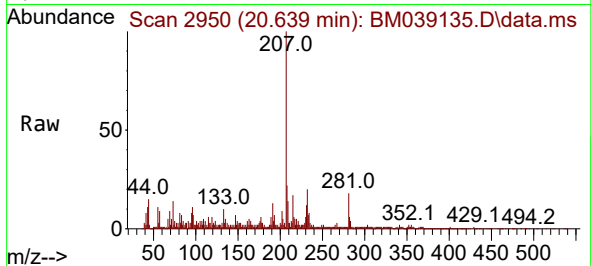




#80
Butylbenzylphthalate
Concen: 3.324 ng
RT: 20.639 min Scan# 2959
Delta R.T. -0.024 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

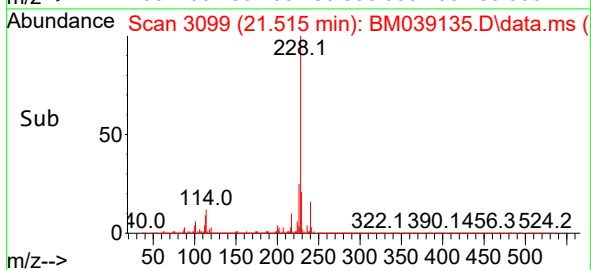
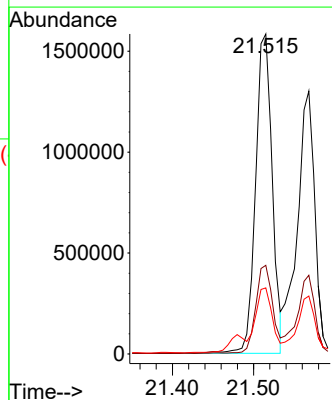
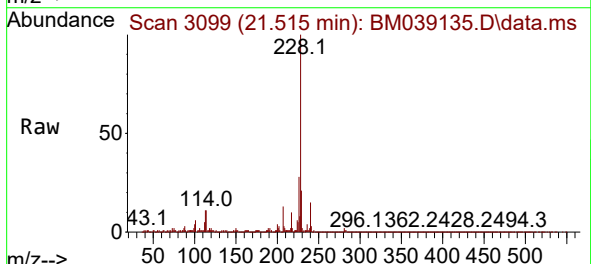
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

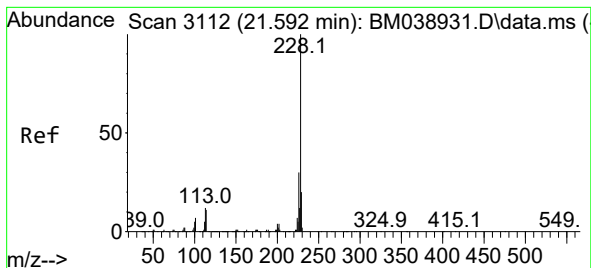
Tgt Ion:149 Resp: 354
Ion Ratio Lower Upper
149 100
91 104.3 58.4 87.6#
206 37.3 16.1 24.1#



#81
Benzo(a)anthracene
Concen: 25.188 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:228 Resp: 2254019
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.2
229 20.7 15.7 23.5





#83

Chrysene

Concen: 21.711 ng

RT: 21.568 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

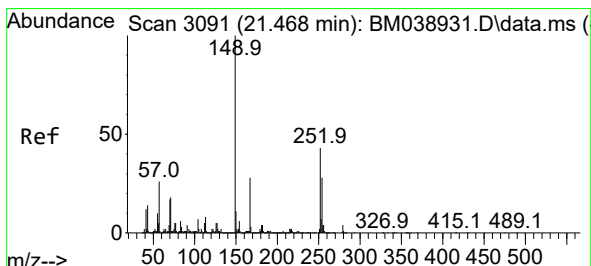
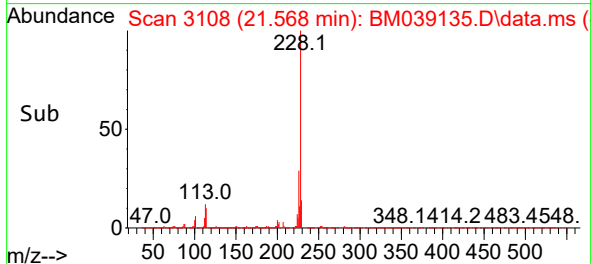
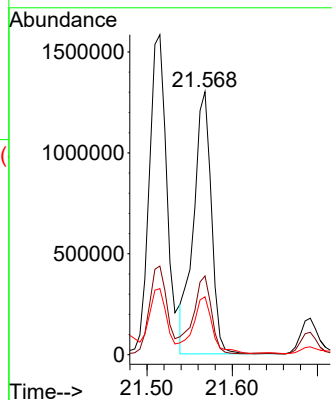
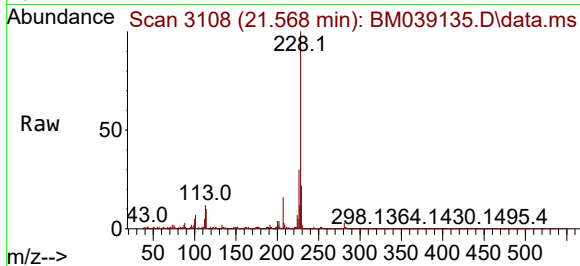
Tgt Ion:228 Resp: 1889643

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 22.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.169 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

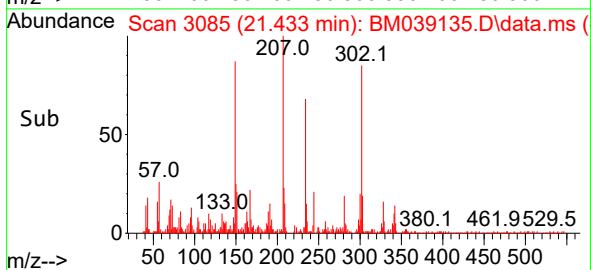
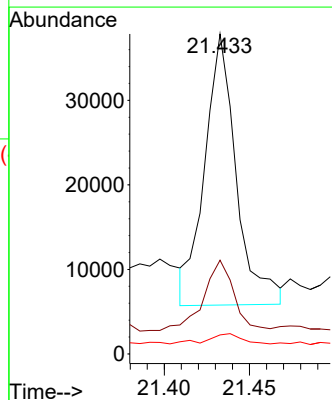
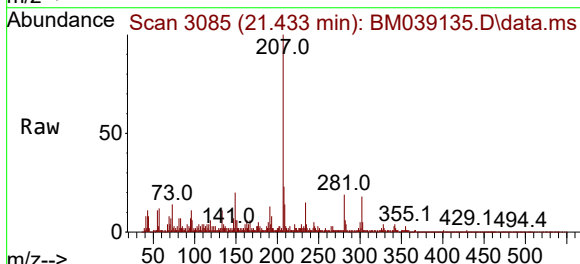
Tgt Ion:149 Resp: 41378

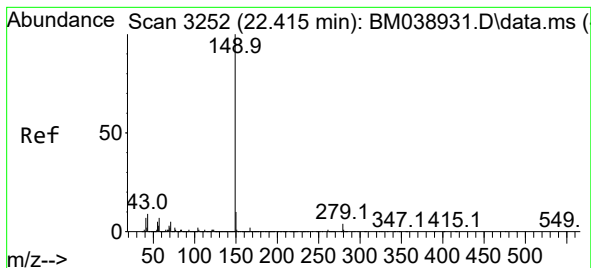
Ion Ratio Lower Upper

149 100

167 29.3 22.3 33.5

279 6.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.813 ng

RT: 22.362 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

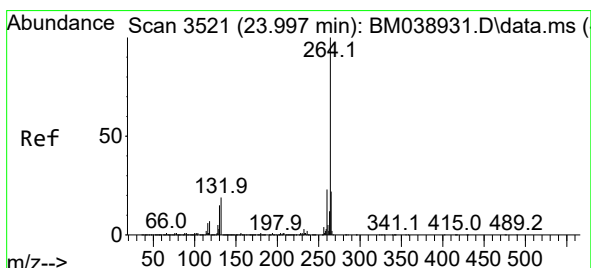
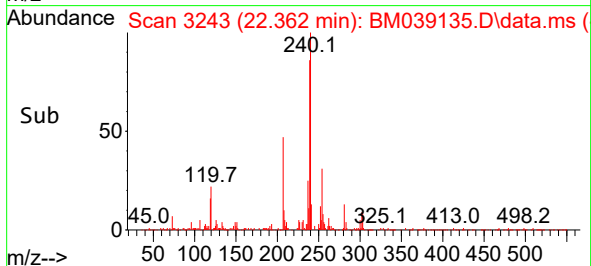
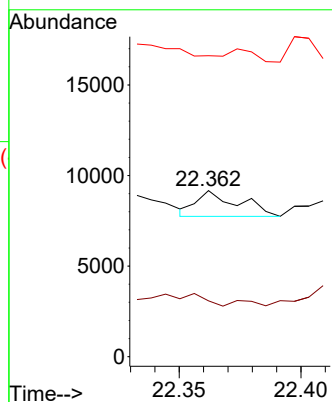
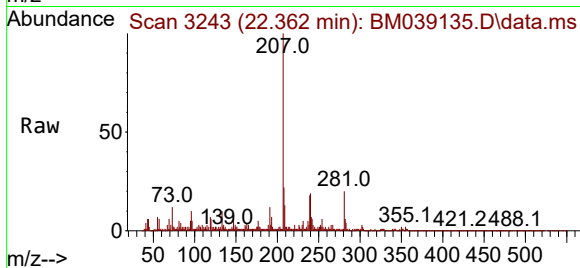
Tgt Ion:149 Resp: 1693

Ion Ratio Lower Upper

149 100

167 83.4 1.2 1.8#

43 0.0 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

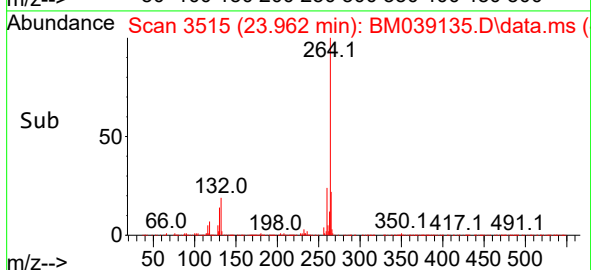
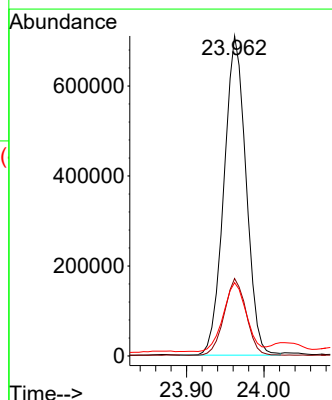
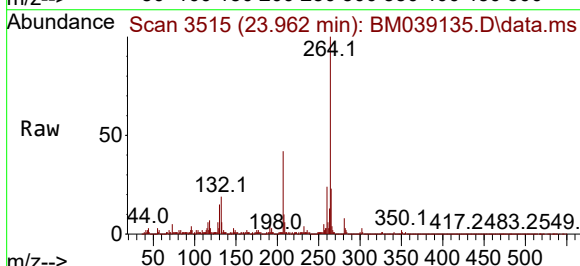
Tgt Ion:264 Resp: 1406917

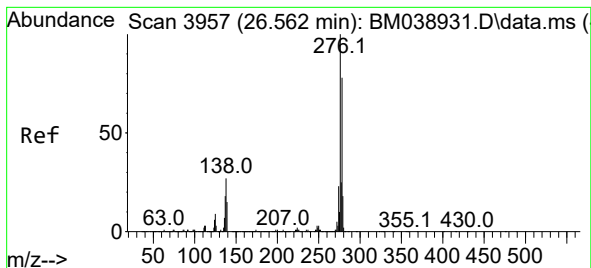
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.227 ng

RT: 26.491 min Scan# 3945

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

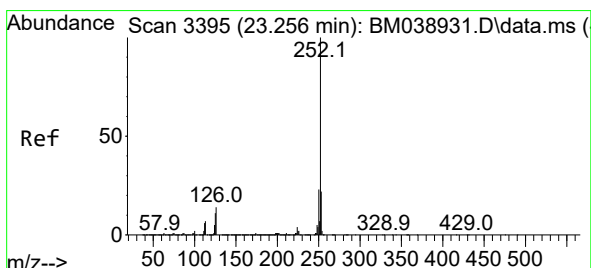
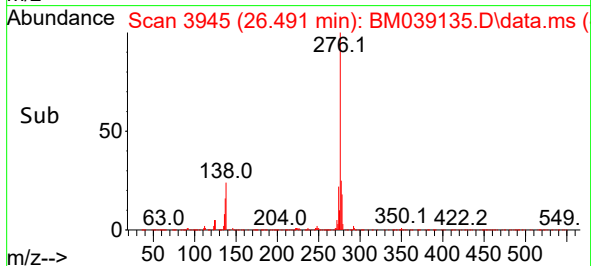
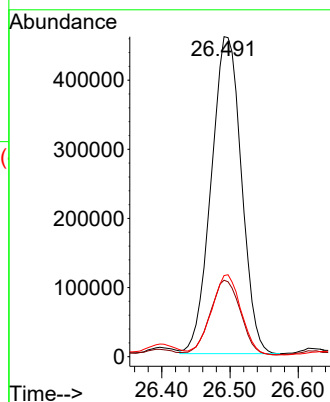
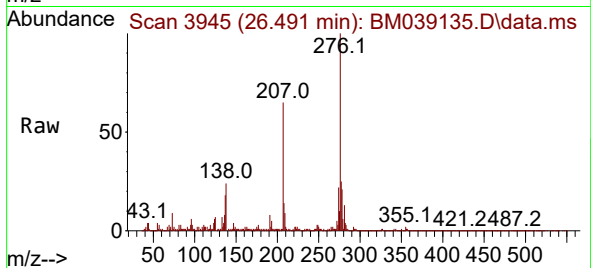
Tgt Ion:276 Resp: 1416022

Ion Ratio Lower Upper

276 100

138 23.7 22.1 33.1

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 31.805 ng

RT: 23.227 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

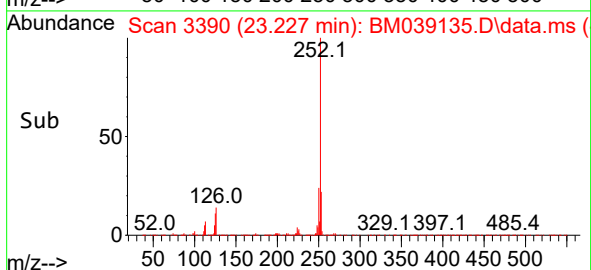
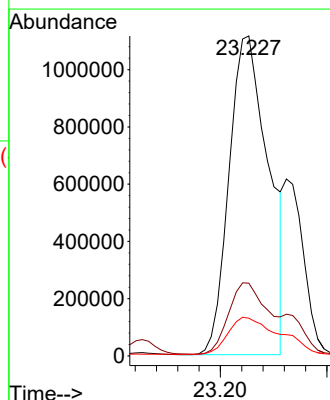
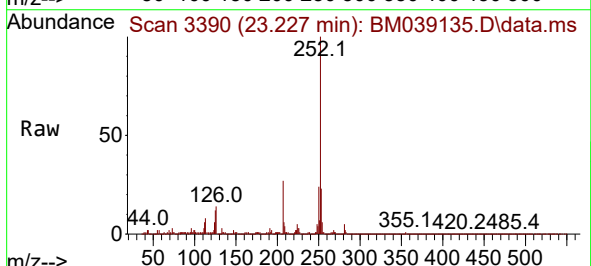
Tgt Ion:252 Resp: 2858748

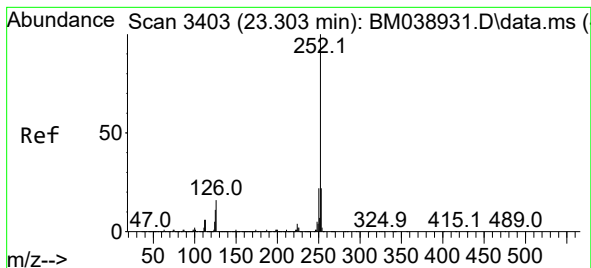
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.8 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 30.561 ng

RT: 23.227 min Scan# 31

Delta R.T. -0.041 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

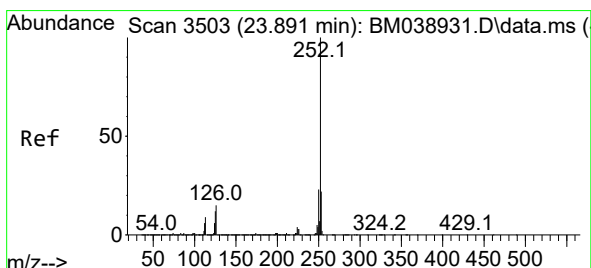
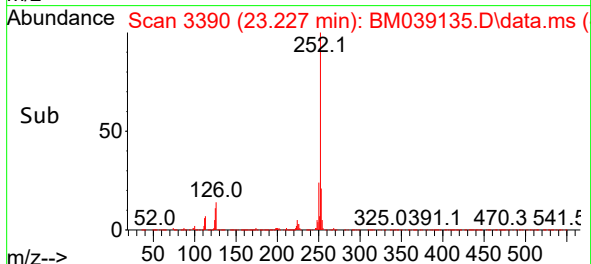
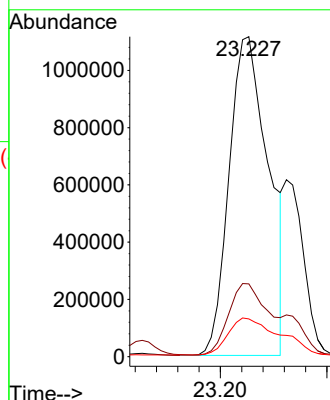
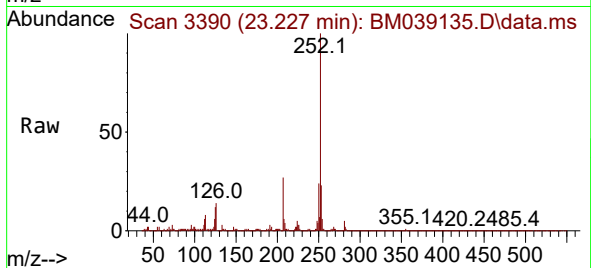
Tgt Ion:252 Resp: 2858748

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.8 8.9 13.3



#90

Benzo(a)pyrene

Concen: 24.573 ng

RT: 23.856 min Scan# 3497

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

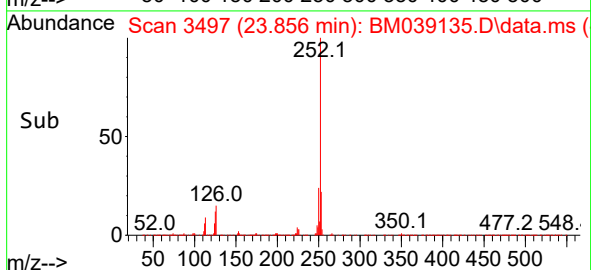
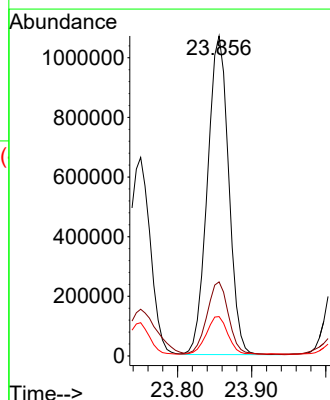
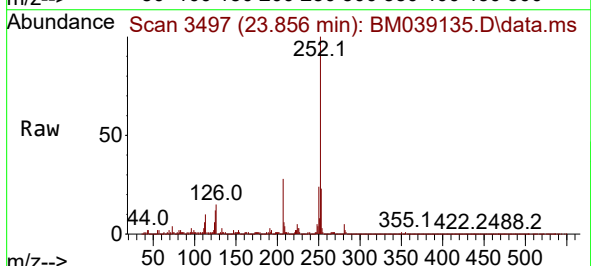
Tgt Ion:252 Resp: 2125731

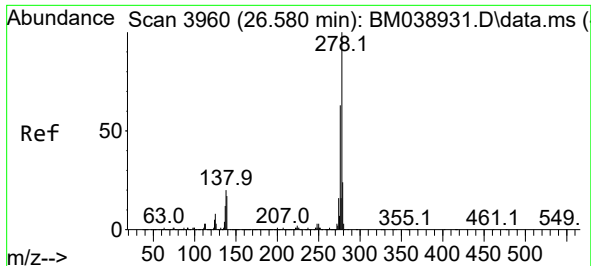
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 12.3 9.8 14.8

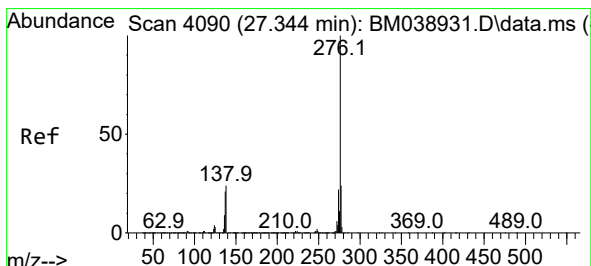
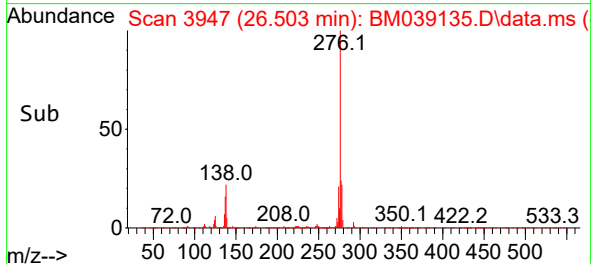
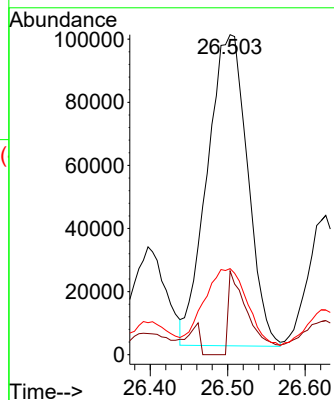
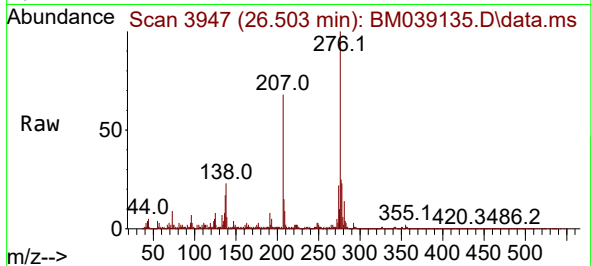




#91
Dibenzo(a,h)anthracene
Concen: 3.941 ng
RT: 26.503 min Scan# 3947
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

Tgt Ion:278 Resp: 357290
Ion Ratio Lower Upper
278 100
139 26.2 13.7 20.5#
279 26.9 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 15.579 ng
RT: 27.285 min Scan# 4080
Delta R.T. 0.012 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:276 Resp: 1381903
Ion Ratio Lower Upper
276 100
277 24.4 19.3 28.9
138 24.5 19.0 28.6

