

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
 Data File : BM041374.D
 Acq On : 10 Aug 2023 22:08
 Operator : MA/JU
 Sample : 03956-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-PP22

Quant Time: Aug 11 03:36:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 12:20:12 2023
 Response via : Initial Calibration

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

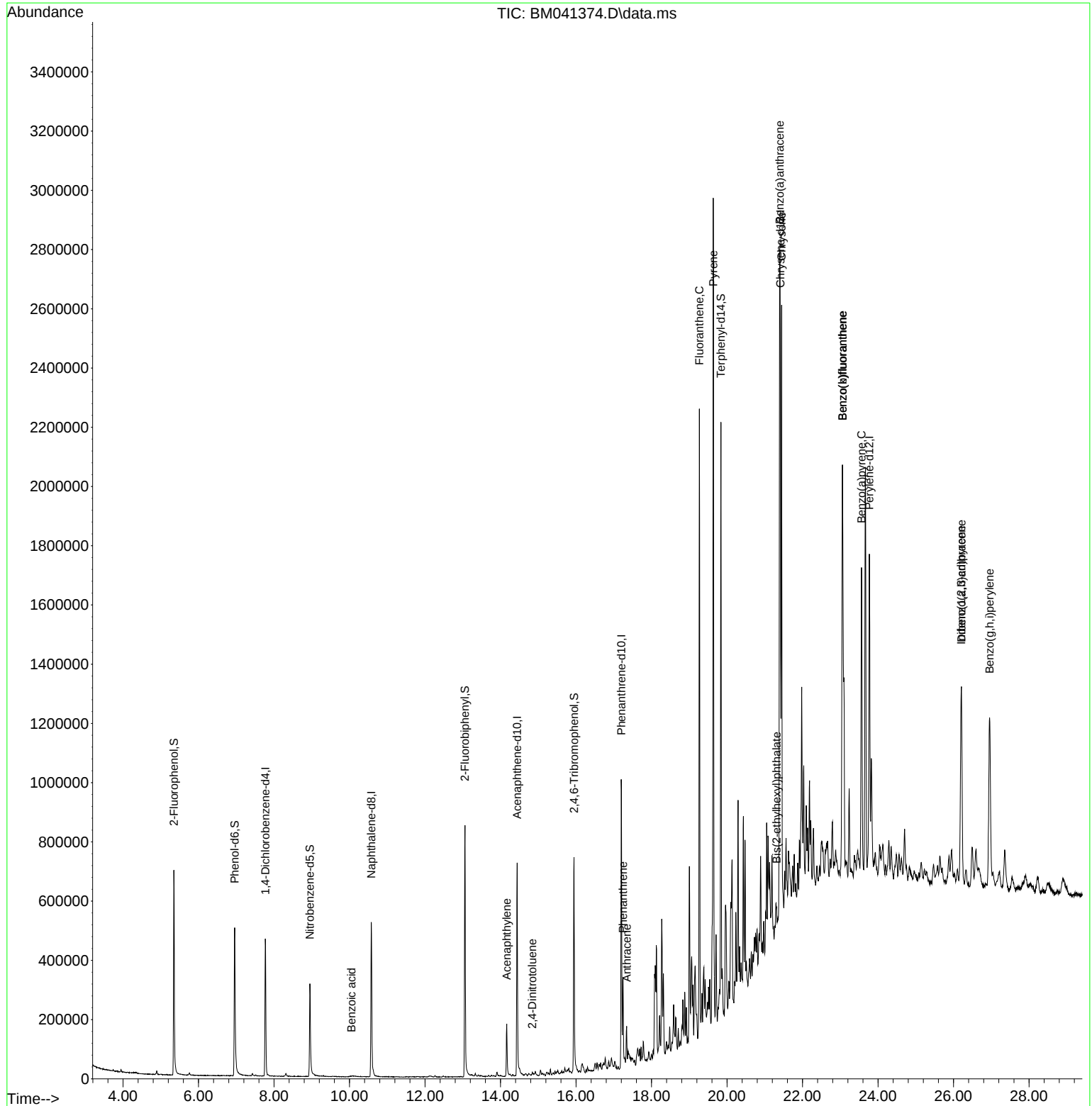
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	124760	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	449072	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	262175	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	596586	20.000	ng	-0.01
76) Chrysene-d12	21.409	240	678866	20.000	ng	0.00
86) Perylene-d12	23.768	264	829820	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	302567	36.247	ng	-0.01
7) Phenol-d6	6.957	99	334469	30.911	ng	-0.01
23) Nitrobenzene-d5	8.951	82	220131	22.796	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	149170	40.226	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	469576	22.626	ng	0.00
79) Terphenyl-d14	19.839	244	870329	23.180	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.051	122	442	7.230	ng	# 34
49) Acenaphthylene	14.163	152	144626	5.646	ng	99
57) 2,4-Dinitrotoluene	14.839	165	196	2.702	ng	# 12
71) Phenanthrene	17.245	178	177592	5.358	ng	100
72) Anthracene	17.339	178	84156	2.567	ng	98
75) Fluoranthene	19.268	202	1090222	29.276	ng	99
78) Pyrene	19.633	202	1601250	33.729	ng	99
81) Benzo(a)anthracene	21.392	228	1020956	22.184	ng	98
83) Chrysene	21.445	228	1027363	23.080	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	4543	2.695	ng	# 67
87) Indeno(1,2,3-cd)pyrene	26.203	276	688059	11.278	ng	# 93
88) Benzo(b)fluoranthene	23.056	252	1241485	25.184	ng	98
89) Benzo(k)fluoranthene	23.056	252	1241485	24.620	ng	98
90) Benzo(a)pyrene	23.562	252	743291	15.692	ng	98
91) Dibenzo(a,h)anthracene	26.209	278	187201	3.679	ng	# 93
92) Benzo(g,h,i)perylene	26.956	276	760868	15.281	ng	95

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

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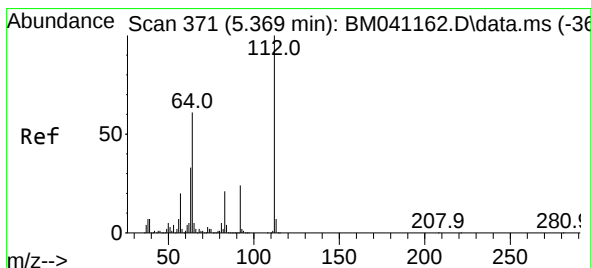
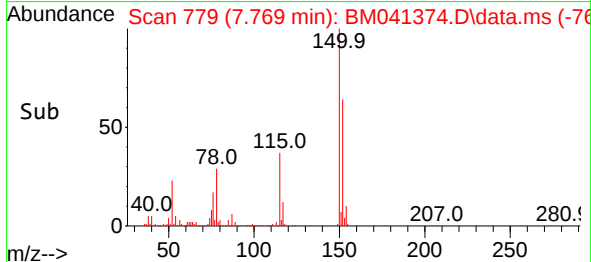
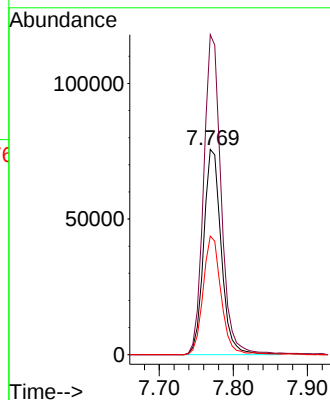
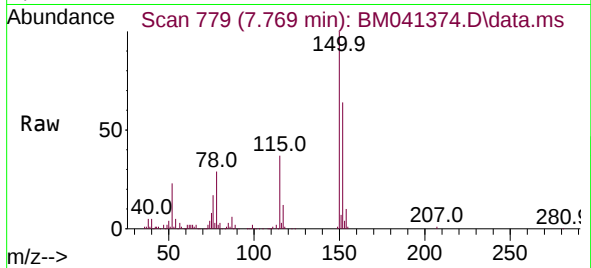




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

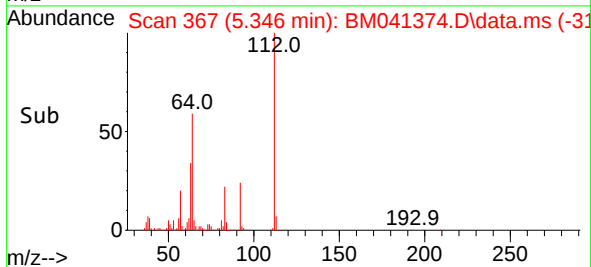
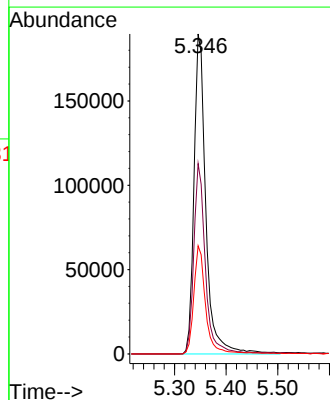
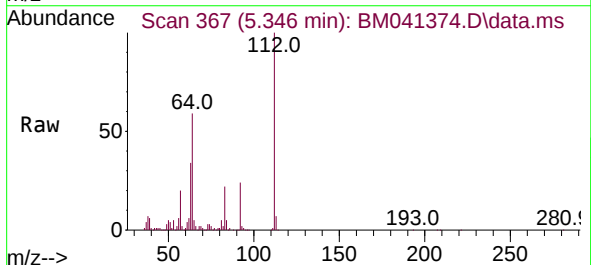
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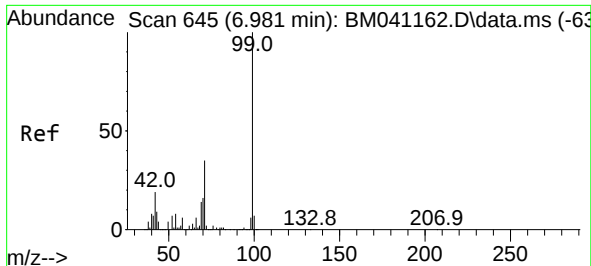
Tgt Ion:152 Resp: 124760
Ion Ratio Lower Upper
152 100
150 156.0 125.5 188.3
115 57.8 48.0 72.0



#5
2-Fluorophenol
Concen: 36.247 ng
RT: 5.346 min Scan# 367
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:112 Resp: 302567
Ion Ratio Lower Upper
112 100
64 59.5 48.5 72.7
63 33.8 26.5 39.7

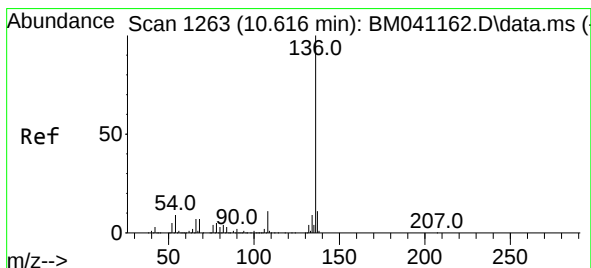
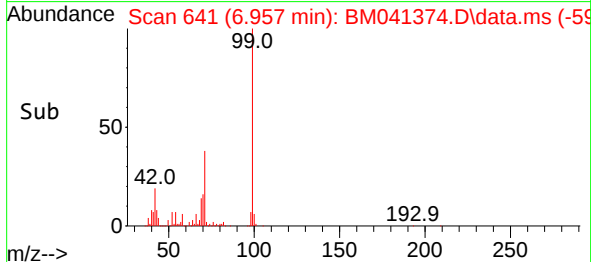
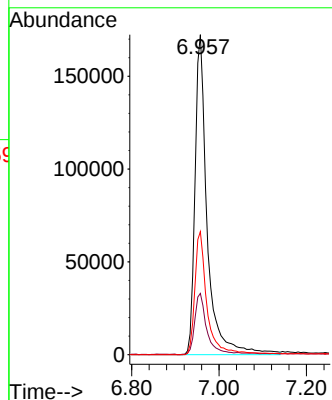
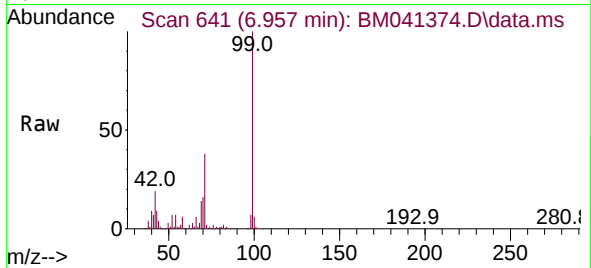




#7
Phenol-d6
Concen: 30.911 ng
RT: 6.957 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

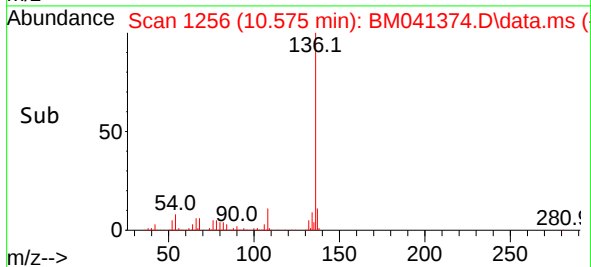
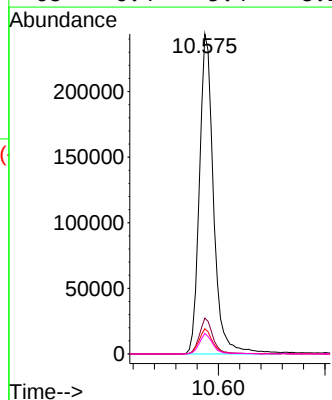
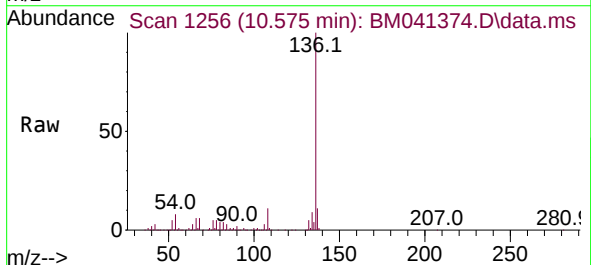
Instrument :
BNA_M
ClientSampleId :
B-PP22

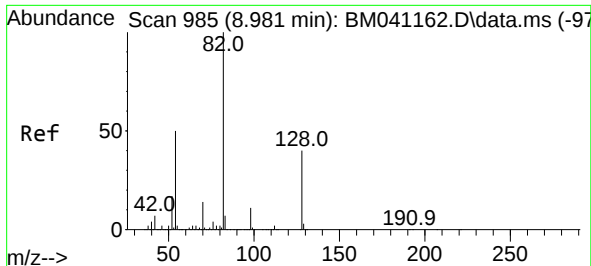
Tgt Ion: 99 Resp: 334469
Ion Ratio Lower Upper
99 100
42 19.1 15.4 23.0
71 38.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 136 Resp: 449072
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.9 6.9 10.3
68 6.4 5.4 8.2

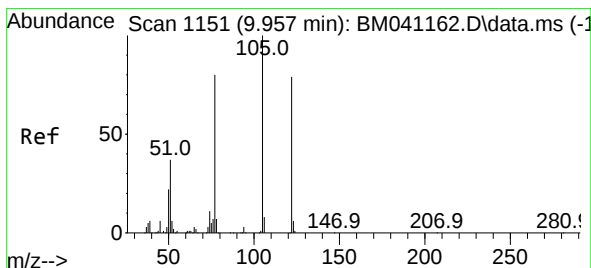
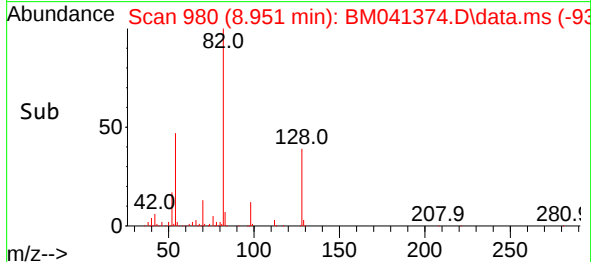
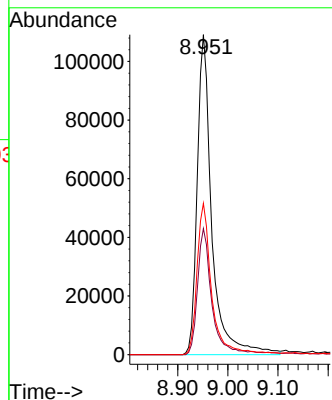
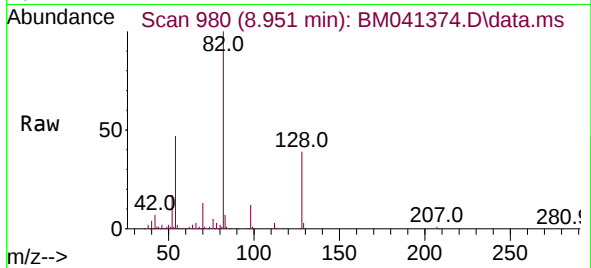




#23
Nitrobenzene-d5
Concen: 22.796 ng
RT: 8.951 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

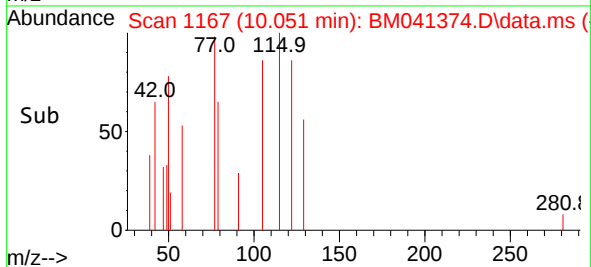
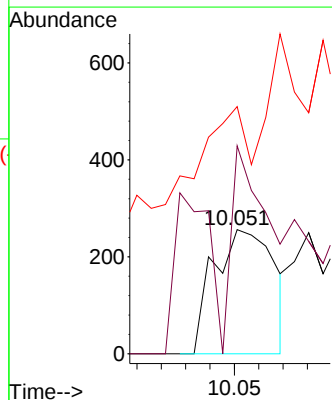
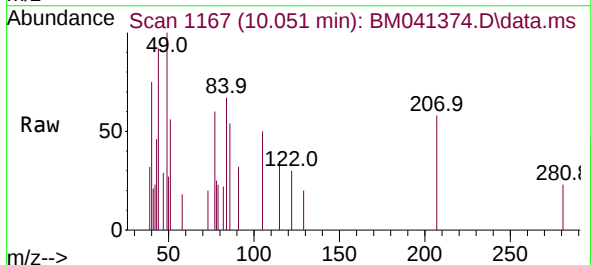
Instrument :
BNA_M
ClientSampleId :
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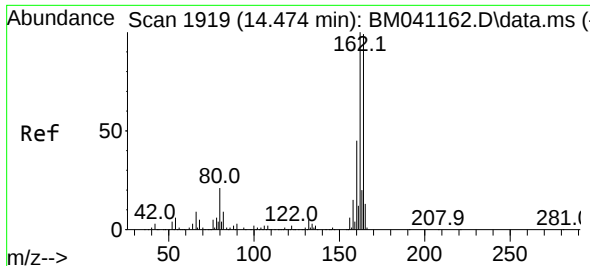
Tgt Ion: 82 Resp: 220131
Ion Ratio Lower Upper
82 100
128 39.4 31.8 47.6
54 47.3 40.1 60.1



#32
Benzoic acid
Concen: 7.230 ng
RT: 10.051 min Scan# 1167
Delta R.T. 0.094 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 122 Resp: 442
Ion Ratio Lower Upper
122 100
105 167.6 104.0 144.0#
77 199.2 79.9 119.9#

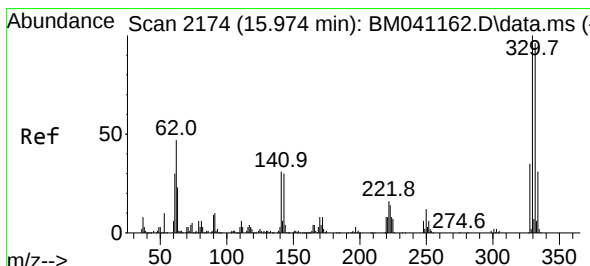
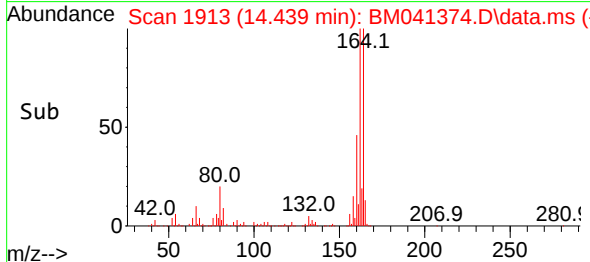
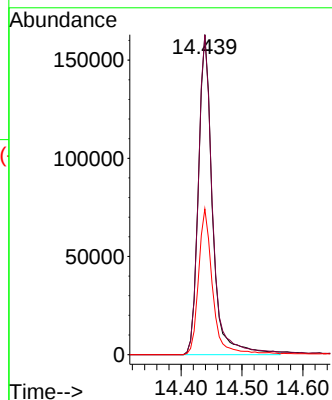
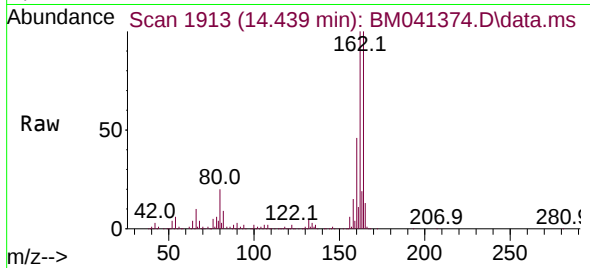




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

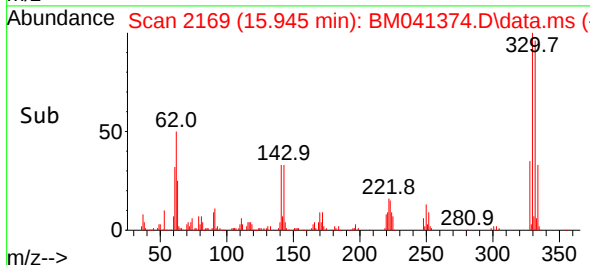
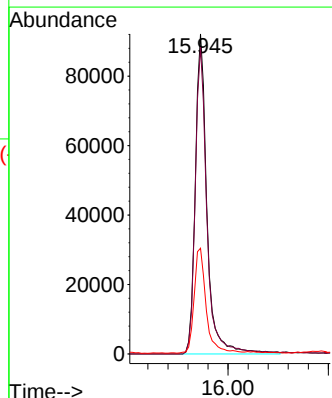
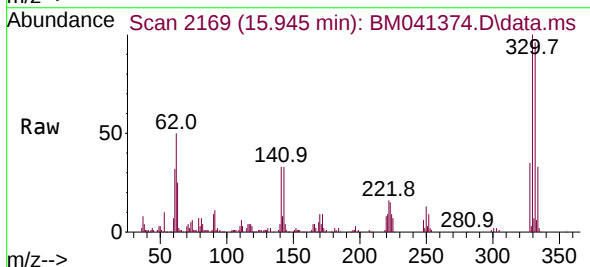
Instrument :
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ClientSampleId :
B-PP22

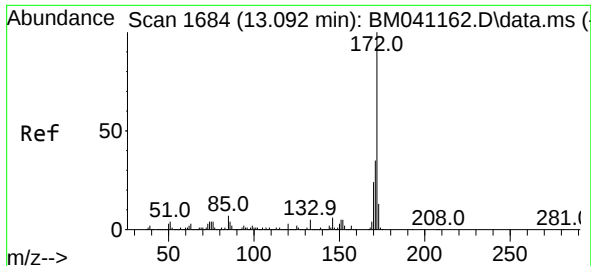
Tgt Ion:164 Resp: 262175
Ion Ratio Lower Upper
164 100
162 99.9 80.4 120.6
160 45.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 40.226 ng
RT: 15.945 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:330 Resp: 149170
Ion Ratio Lower Upper
330 100
332 95.0 77.7 116.5
141 33.4 28.3 42.5

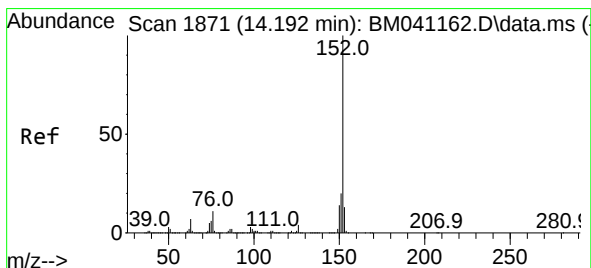
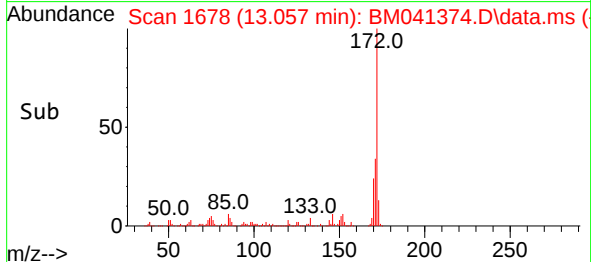
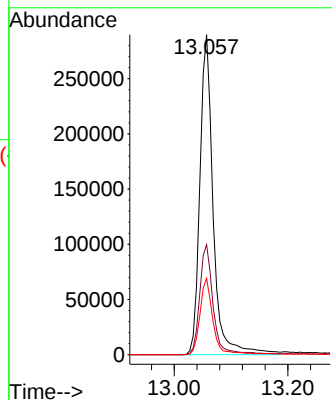
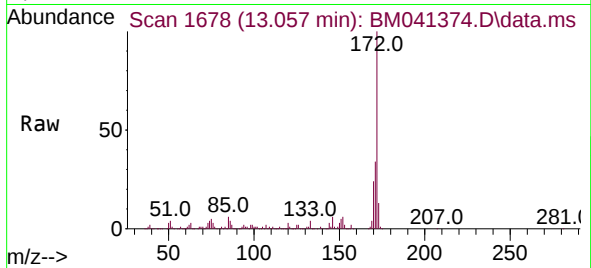




#45
2-Fluorobiphenyl
Concen: 22.626 ng
RT: 13.057 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

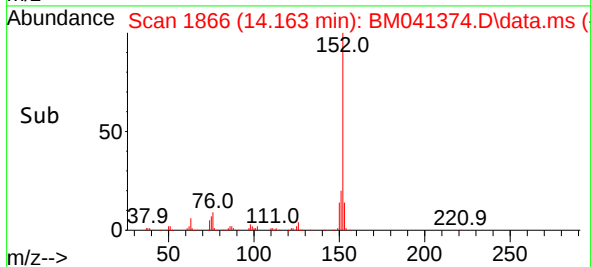
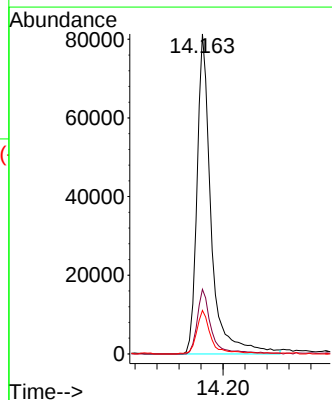
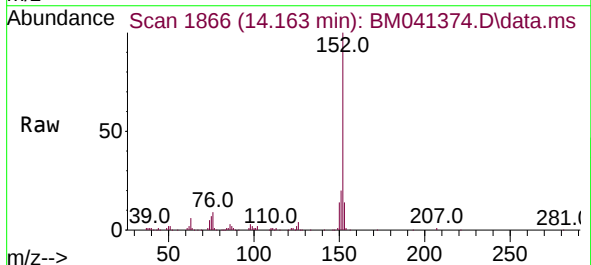
Instrument :
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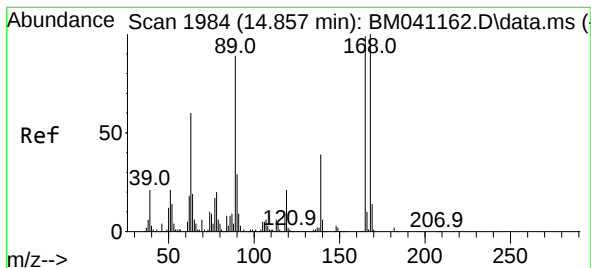
Tgt Ion:172 Resp: 469576
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.8 18.9 28.3



#49
Acenaphthylene
Concen: 5.646 ng
RT: 14.163 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:152 Resp: 144626
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.6 10.5 15.7

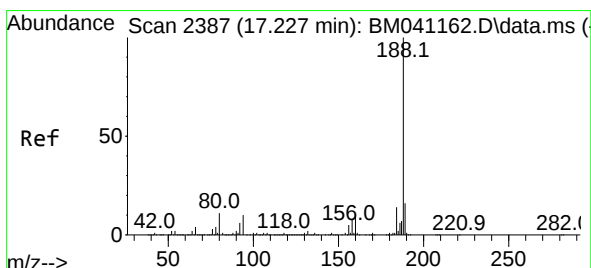
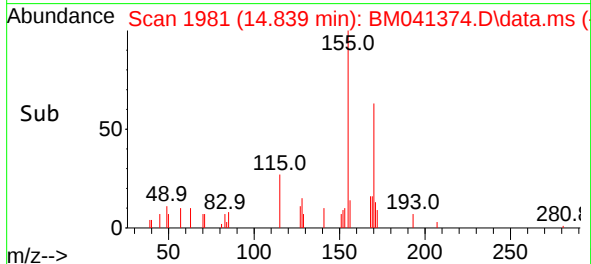
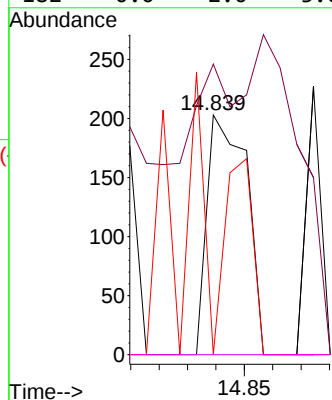
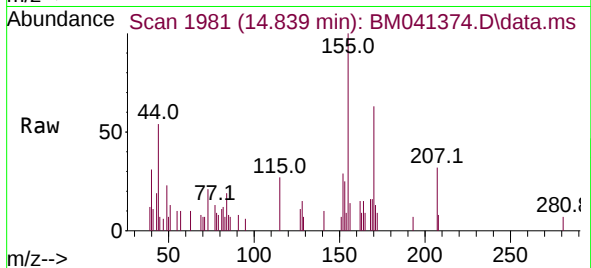




#57
2,4-Dinitrotoluene
Concen: 2.702 ng
RT: 14.839 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

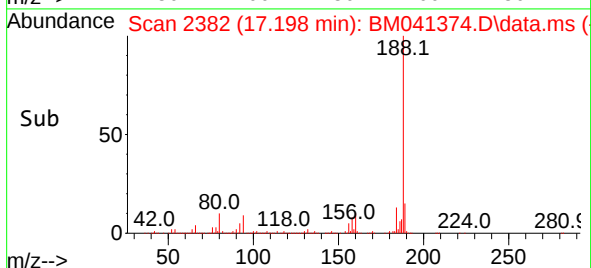
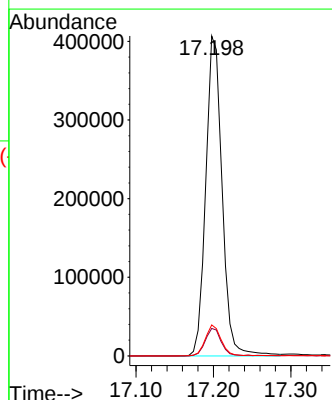
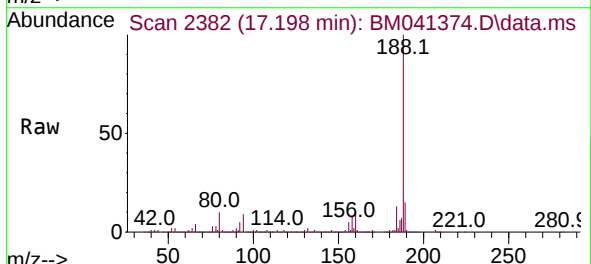
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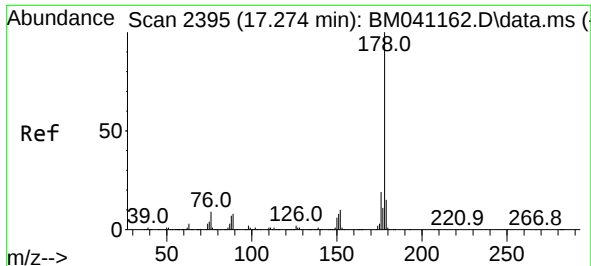
Tgt Ion:165 Resp: 196
Ion Ratio Lower Upper
165 100
63 121.2 48.3 72.5#
89 0.0 71.8 107.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2382
Delta R.T. -0.012 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:188 Resp: 596586
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 9.7 8.6 13.0

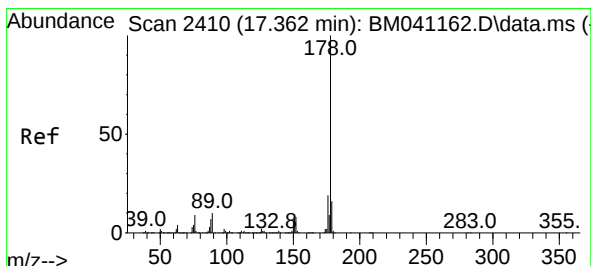
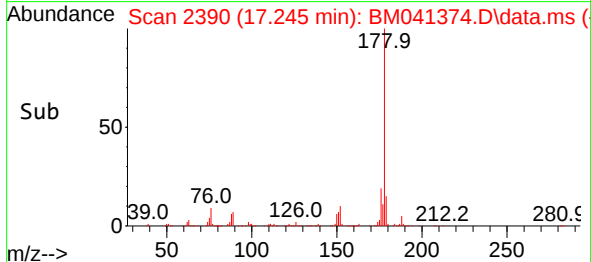
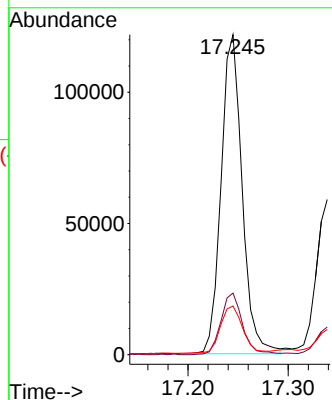
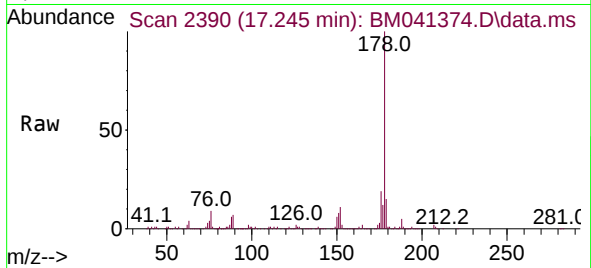




#71
Phenanthrene
Concen: 5.358 ng
RT: 17.245 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

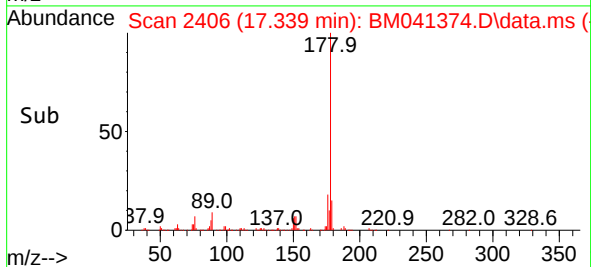
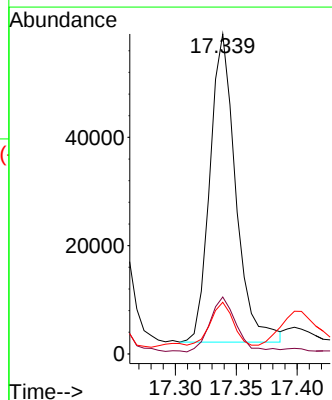
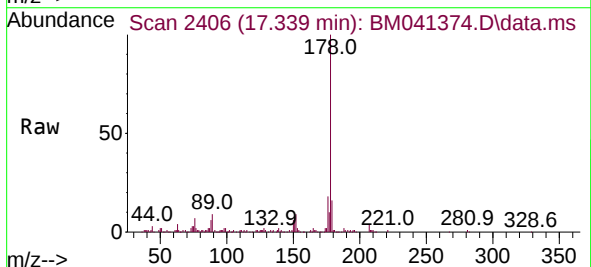
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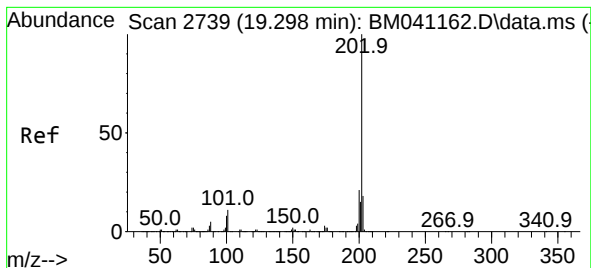
Tgt Ion:178 Resp: 177592
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.2 12.1 18.1



#72
Anthracene
Concen: 2.567 ng
RT: 17.339 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:178 Resp: 84156
Ion Ratio Lower Upper
178 100
176 17.8 15.2 22.8
179 16.1 12.4 18.6





#75

Fluoranthene

Concen: 29.276 ng

RT: 19.268 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

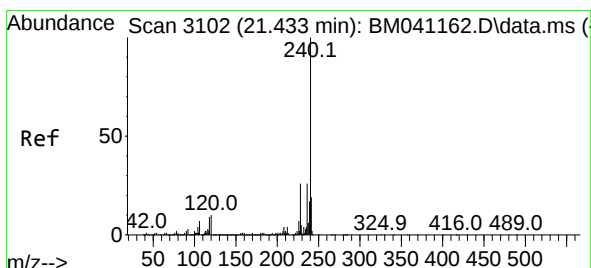
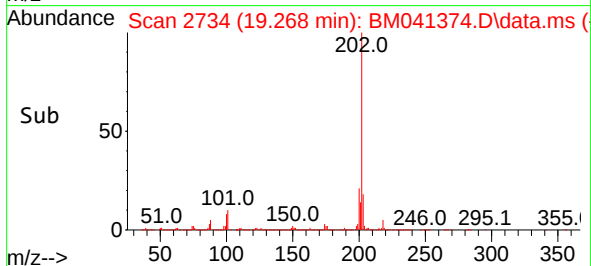
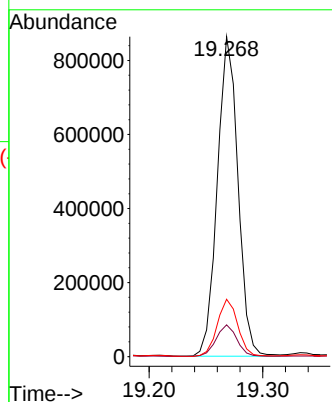
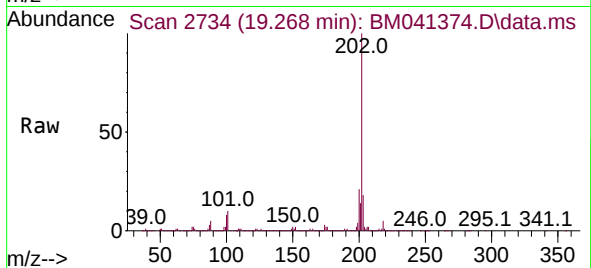
Tgt Ion:202 Resp: 1090222

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.8

203 17.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

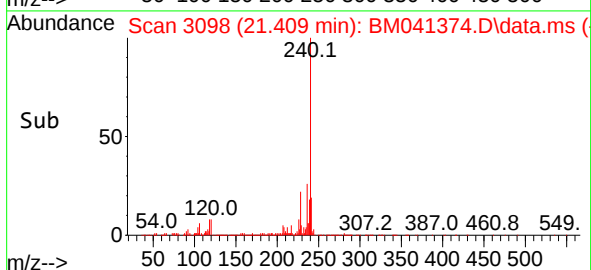
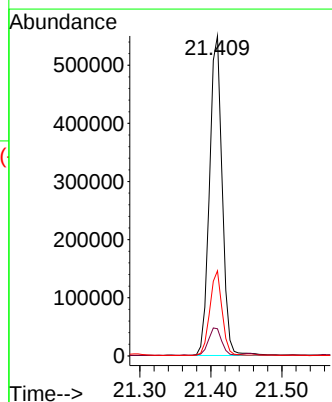
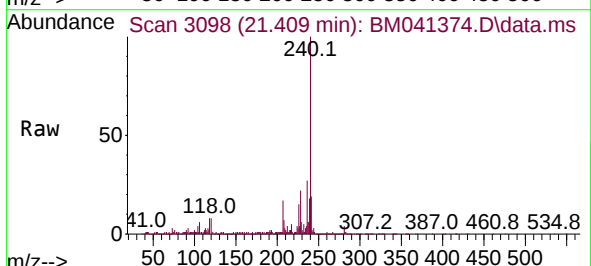
Tgt Ion:240 Resp: 678866

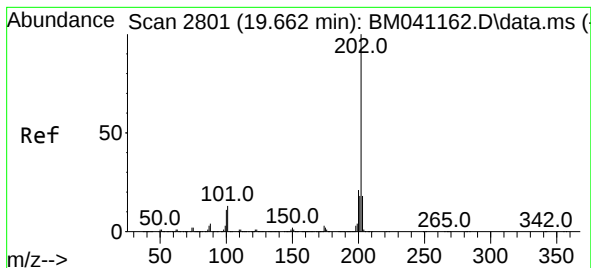
Ion Ratio Lower Upper

240 100

120 8.5 8.3 12.5

236 26.6 20.6 30.8





#78

Pyrene

Concen: 33.729 ng

RT: 19.633 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

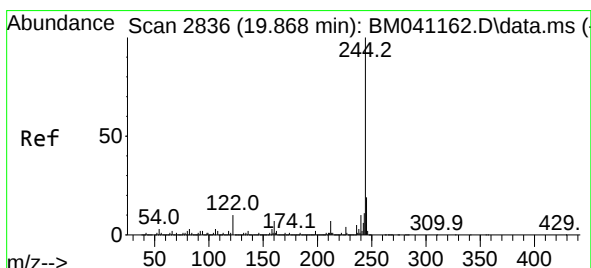
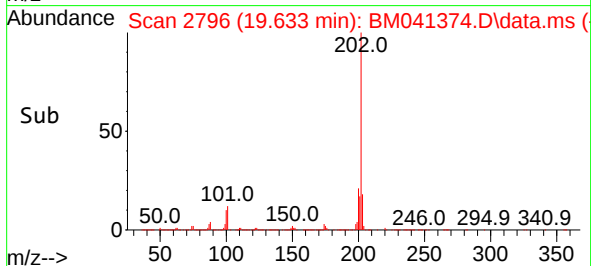
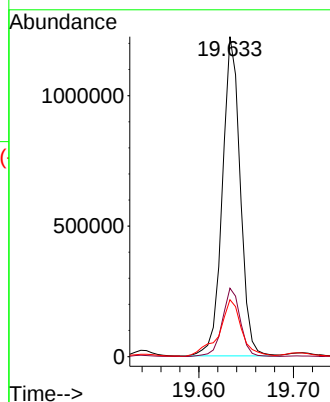
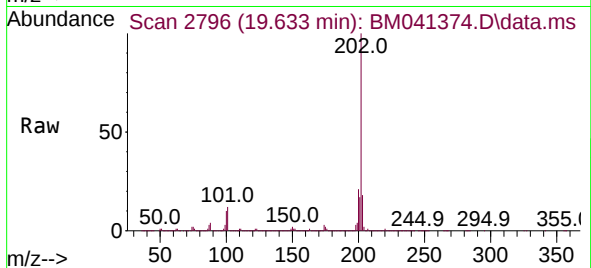
Tgt Ion:202 Resp: 1601250

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 23.180 ng

RT: 19.839 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

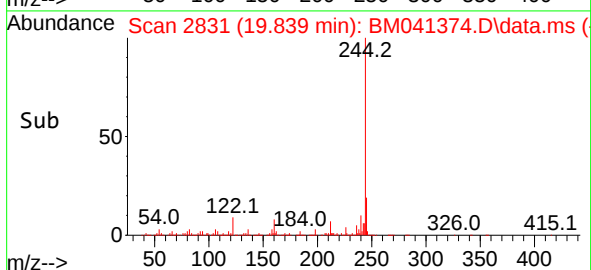
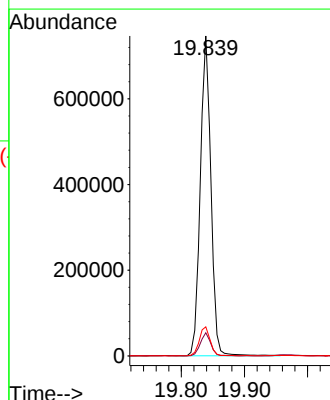
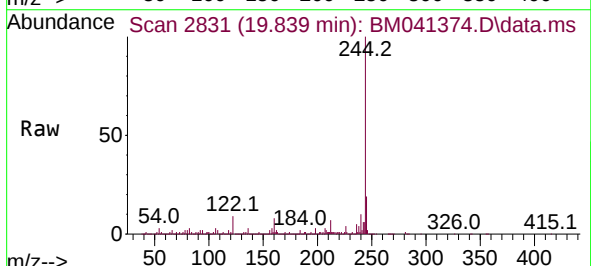
Tgt Ion:244 Resp: 870329

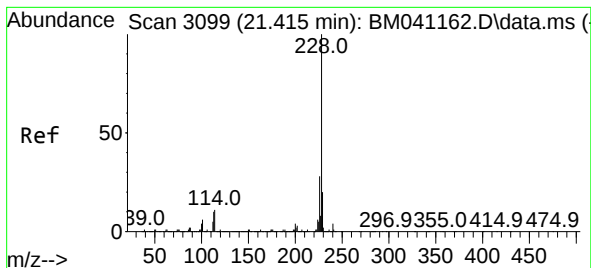
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 9.1 7.8 11.6





#81

Benzo(a)anthracene

Concen: 22.184 ng

RT: 21.392 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

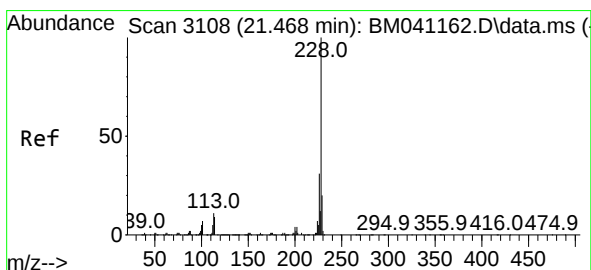
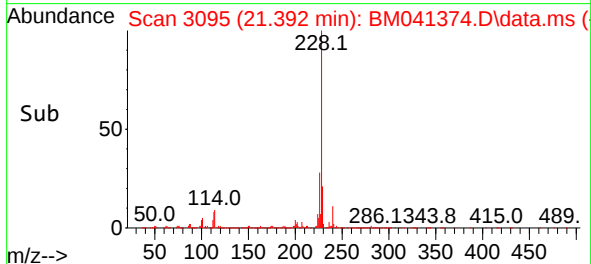
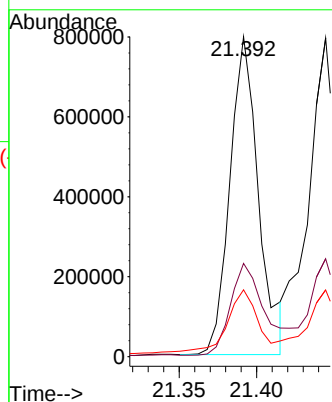
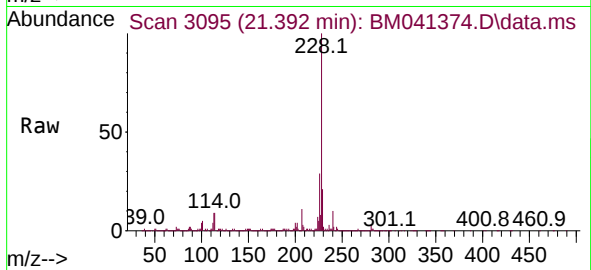
Tgt Ion:228 Resp: 1020956

Ion Ratio Lower Upper

228 100

226 29.1 22.4 33.6

229 20.9 15.8 23.8



#83

Chrysene

Concen: 23.080 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

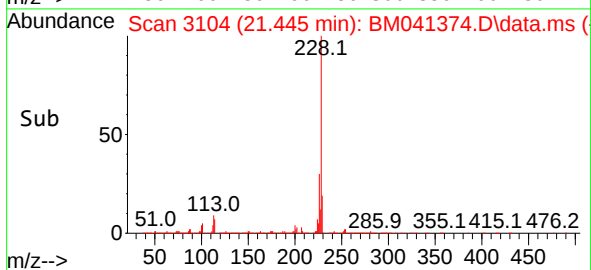
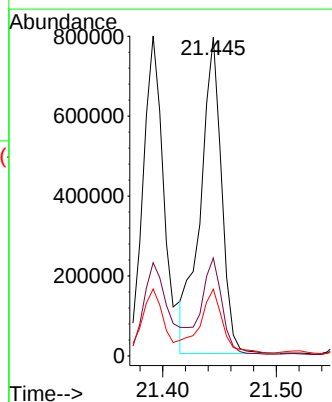
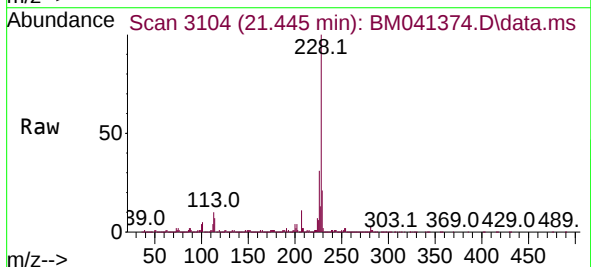
Tgt Ion:228 Resp: 1027363

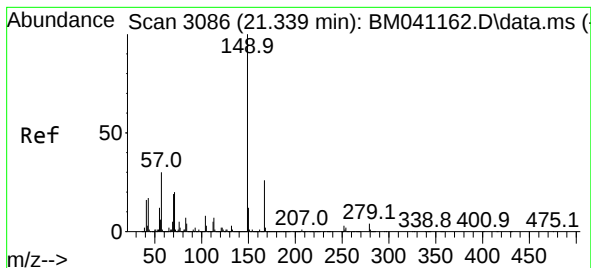
Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 20.9 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.695 ng

RT: 21.309 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

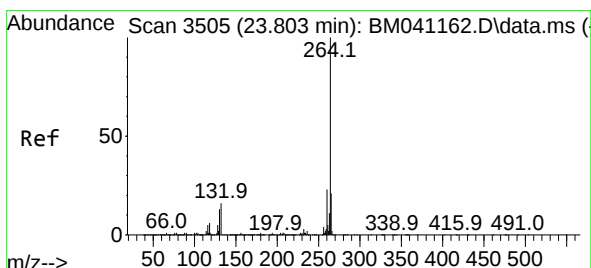
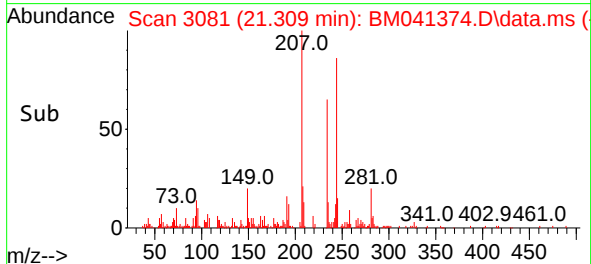
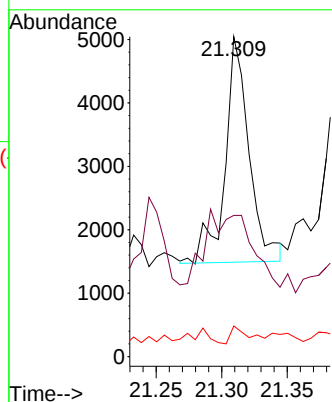
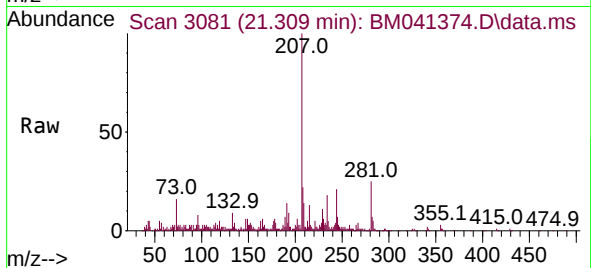
Tgt Ion:149 Resp: 4543

Ion Ratio Lower Upper

149 100

167 44.1 21.0 31.6#

279 9.6 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.768 min Scan# 3499

Delta R.T. -0.012 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

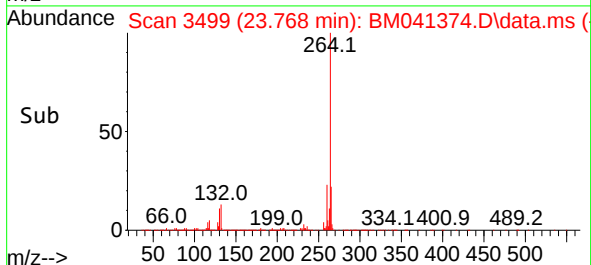
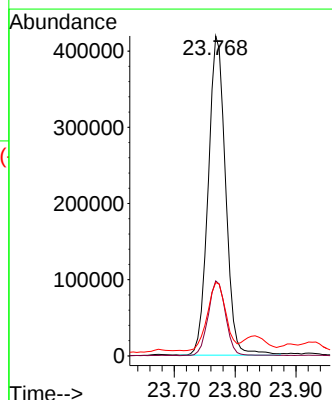
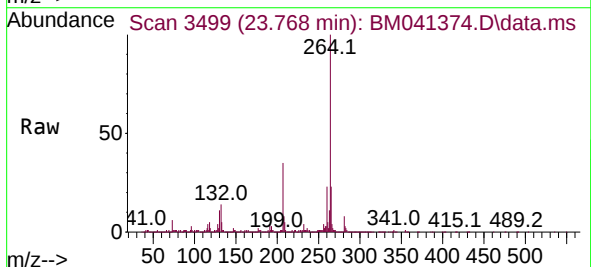
Tgt Ion:264 Resp: 829820

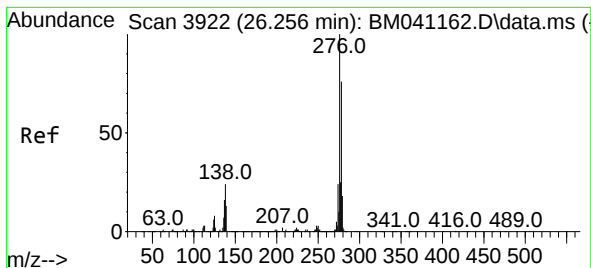
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.278 ng

RT: 26.203 min Scan# 39

Delta R.T. -0.030 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

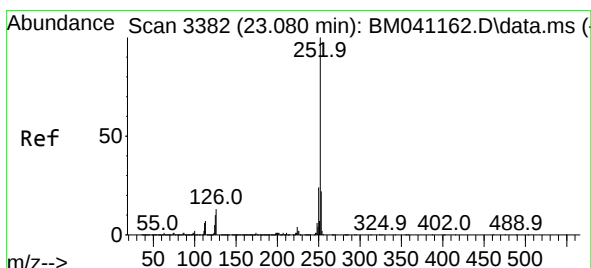
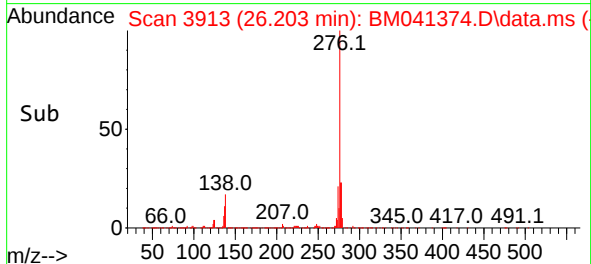
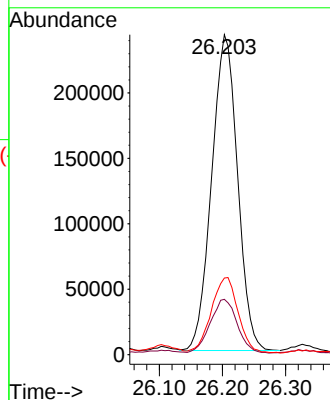
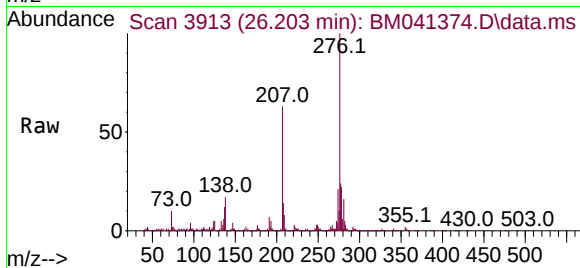
Tgt Ion:276 Resp: 688059

Ion Ratio Lower Upper

276 100

138 17.7 20.0 30.0#

277 24.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 25.184 ng

RT: 23.056 min Scan# 3378

Delta R.T. -0.006 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

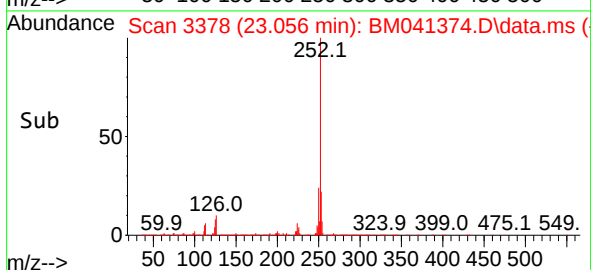
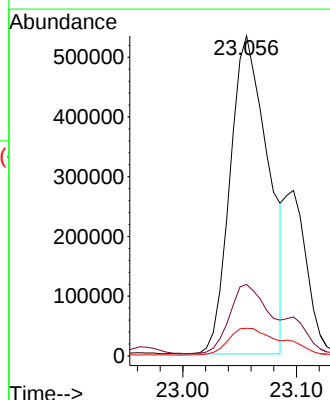
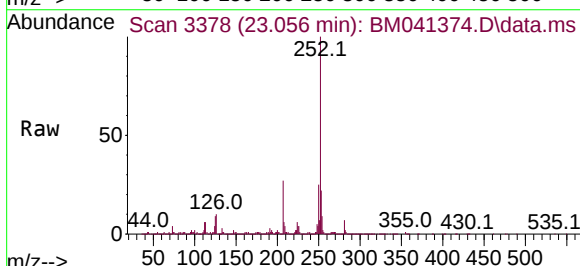
Tgt Ion:252 Resp: 1241485

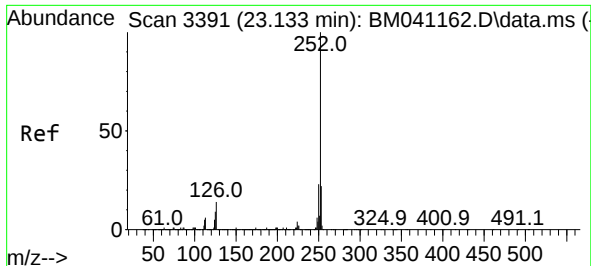
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.6 8.2 12.4

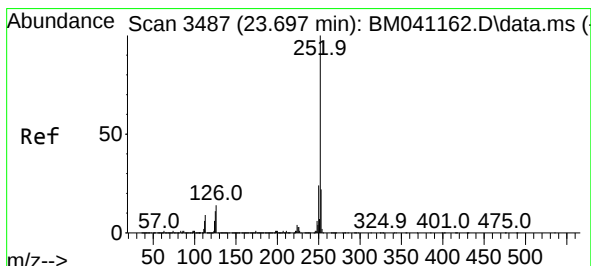
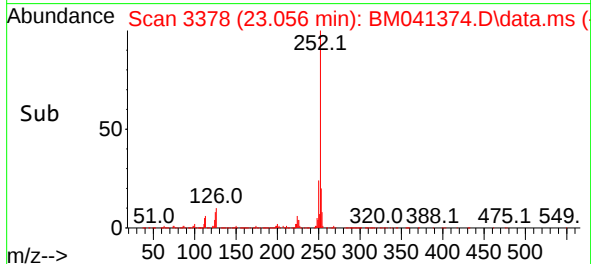
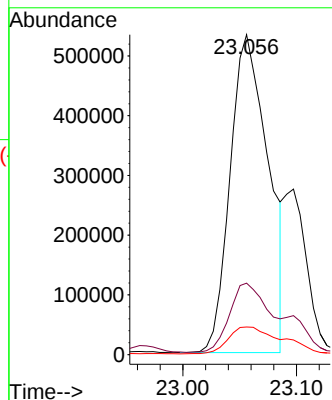
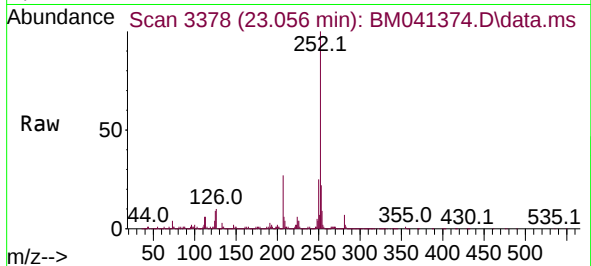




#89
Benzo(k)fluoranthene
Concen: 24.620 ng
RT: 23.056 min Scan# 3391
Delta R.T. -0.053 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

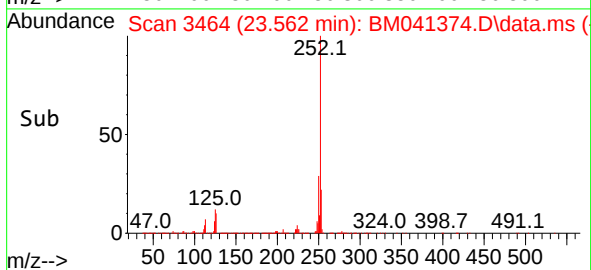
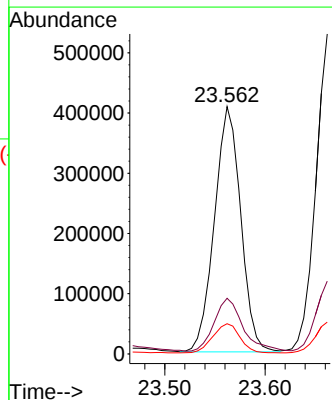
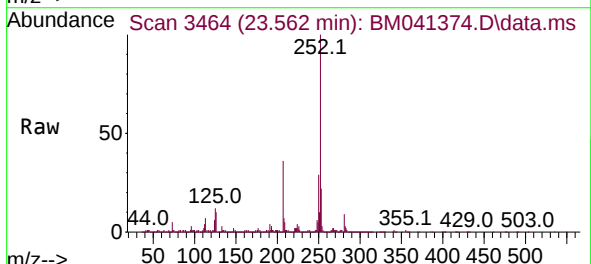
Instrument :
BNA_M
ClientSampleId :
B-PP22

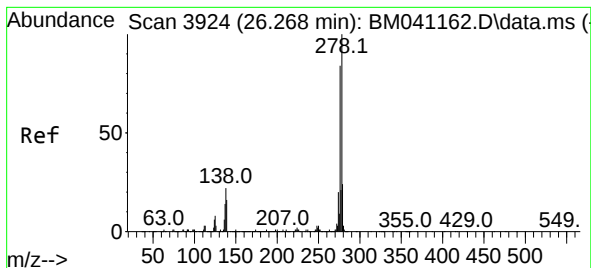
Tgt Ion:252 Resp: 1241485
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 8.6 7.6 11.4



#90
Benzo(a)pyrene
Concen: 15.692 ng
RT: 23.562 min Scan# 3464
Delta R.T. -0.118 min
Lab File: BM041374.D
Acq: 10 Aug 2023 22:08

Tgt Ion:252 Resp: 743291
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 12.2 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 3.679 ng

RT: 26.209 min Scan# 39

Delta R.T. -0.035 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Instrument :

BNA_M

ClientSampleId :

B-PP22

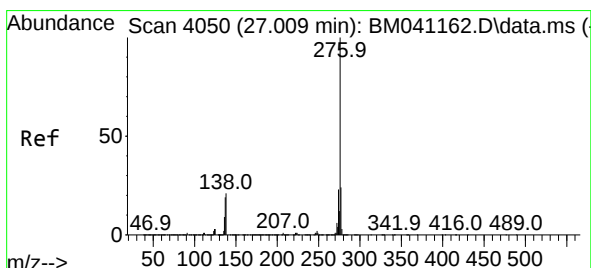
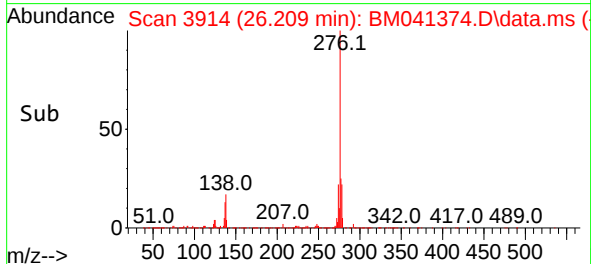
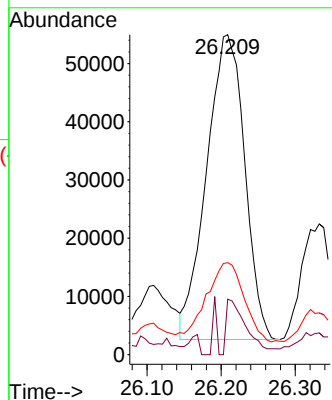
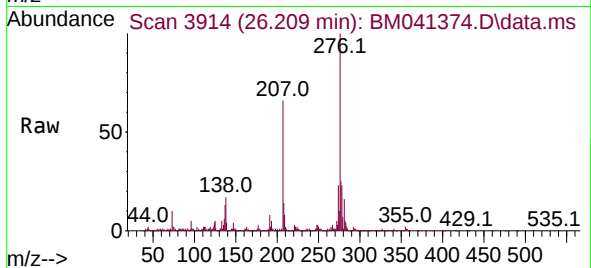
Tgt Ion:278 Resp: 187201

Ion Ratio Lower Upper

278 100

139 17.4 12.7 19.1

279 28.7 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 15.281 ng

RT: 26.956 min Scan# 4041

Delta R.T. -0.030 min

Lab File: BM041374.D

Acq: 10 Aug 2023 22:08

Tgt Ion:276 Resp: 760868

Ion Ratio Lower Upper

276 100

277 25.1 19.1 28.7

138 18.2 17.1 25.7

