

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039268.D
 Acq On : 01 Apr 2023 00:18
 Operator : CG/JU
 Sample : 02136-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-033023

Quant Time: Apr 01 05:23:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 17:03:41 2023
 Response via : Initial Calibration

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

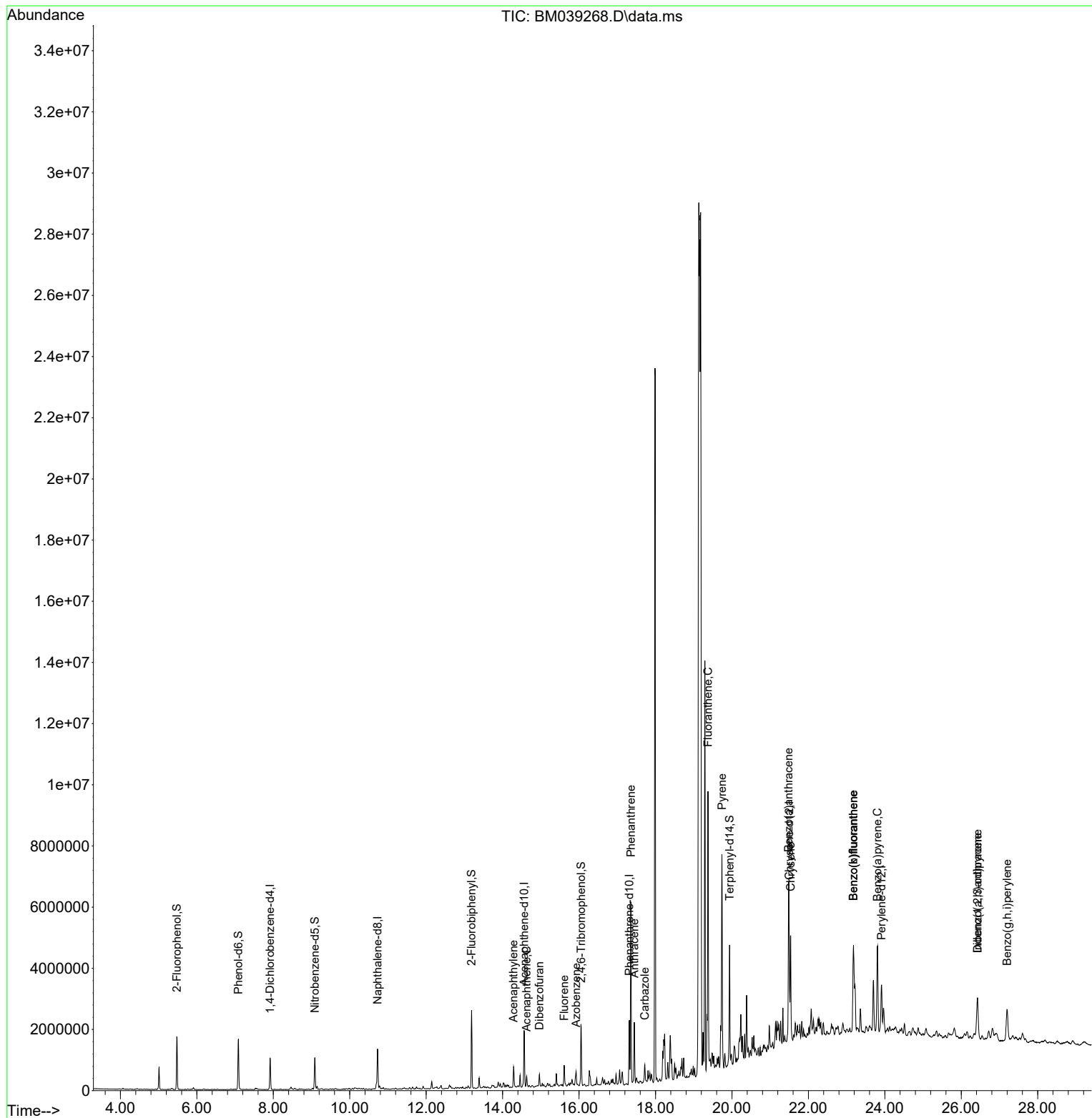
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	273678	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	1079664	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	615144	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1238883	20.000	ng	0.00
76) Chrysene-d12	21.497	240	1063415	20.000	ng	0.00
86) Perylene-d12	23.915	264	1199609	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	738638	40.662	ng	0.00
7) Phenol-d6	7.087	99	960803	40.893	ng	0.00
23) Nitrobenzene-d5	9.086	82	587733	26.458	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	308762	39.541	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	1261063	27.776	ng	0.00
79) Terphenyl-d14	19.939	244	1736751	30.174	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.286	152	525487	8.693	ng	100
52) Acenaphthene	14.627	154	122668	3.437	ng	98
55) Dibenzofuran	14.962	168	182554	3.177	ng	# 98
58) Fluorene	15.609	166	299648	6.585	ng	99
63) Azobenzene	15.921	77	117377	2.455	ng	# 1
71) Phenanthrene	17.356	178	3354712	49.442	ng	100
72) Anthracene	17.445	178	1179606	17.050	ng	99
73) Carbazole	17.721	167	360269	5.573	ng	99
75) Fluoranthene	19.374	202	4619383	59.724	ng	99
78) Pyrene	19.739	202	4131409	54.573	ng	99
81) Benzo(a)anthracene	21.480	228	2216937	29.560	ng	97
83) Chrysene	21.538	228	1987372	27.449	ng	96
87) Indeno(1,2,3-cd)pyrene	26.426	276	1323498	14.974	ng	96
88) Benzo(b)fluoranthene	23.180	252	2572588	35.048	ng	97
89) Benzo(k)fluoranthene	23.180	252	2572588	34.408	ng	97
90) Benzo(a)pyrene	23.809	252	1985044	27.529	ng	98
91) Dibenzo(a,h)anthracene	26.426	278	375665	5.062	ng	# 82
92) Benzo(g,h,i)perylene	27.203	276	1298529	17.791	ng	99

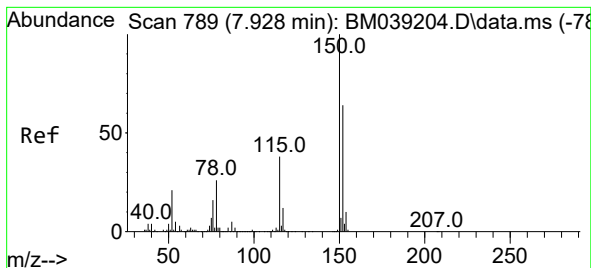
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.916 min Scan# 71

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

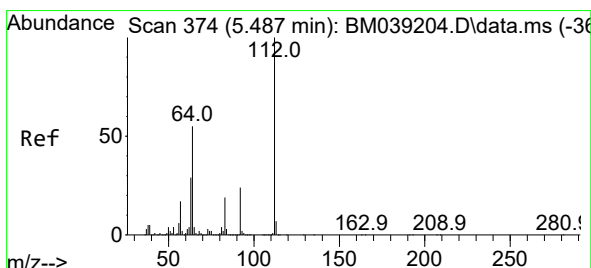
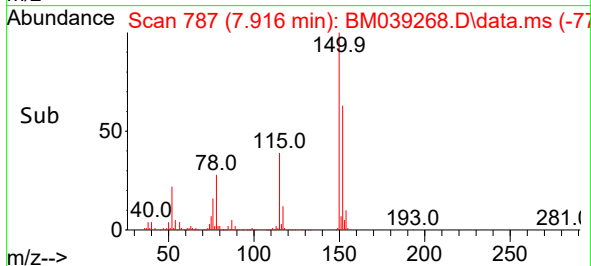
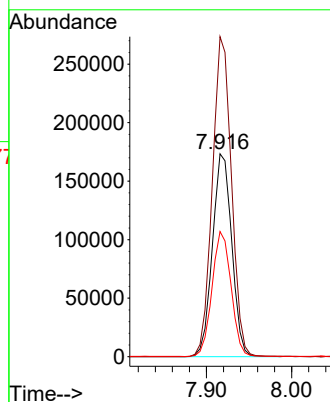
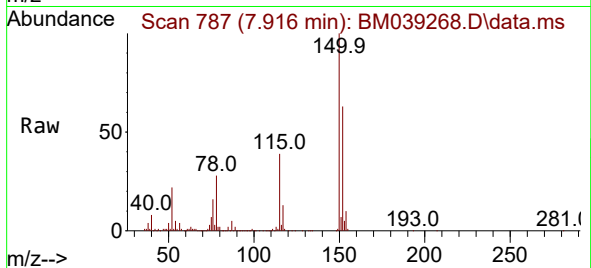
Tgt Ion:152 Resp: 273678

Ion Ratio Lower Upper

152 100

150 157.7 125.5 188.3

115 61.7 48.1 72.1



#5

2-Fluorophenol

Concen: 40.662 ng

RT: 5.475 min Scan# 372

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

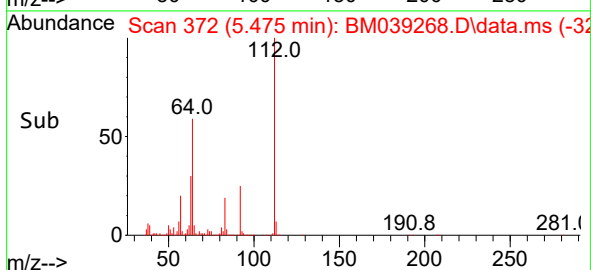
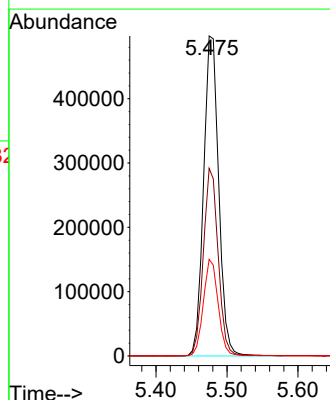
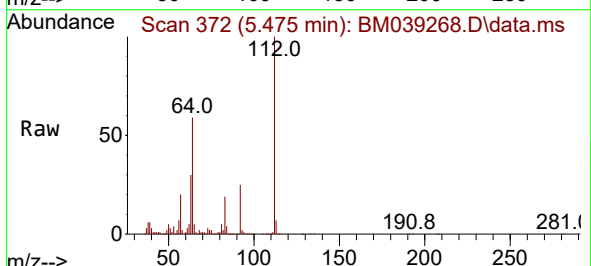
Tgt Ion:112 Resp: 738638

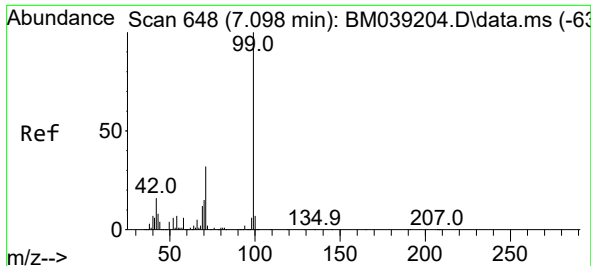
Ion Ratio Lower Upper

112 100

64 58.7 44.3 66.5

63 30.2 23.0 34.6

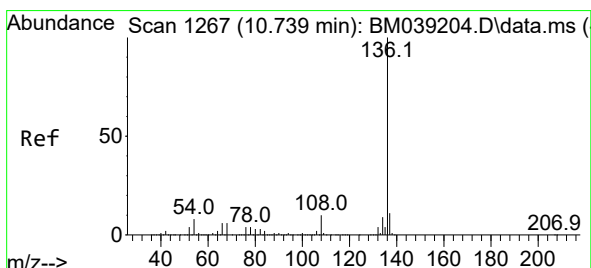
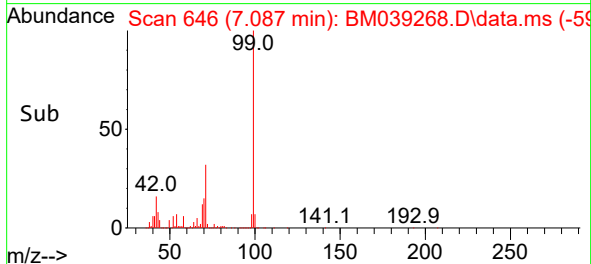
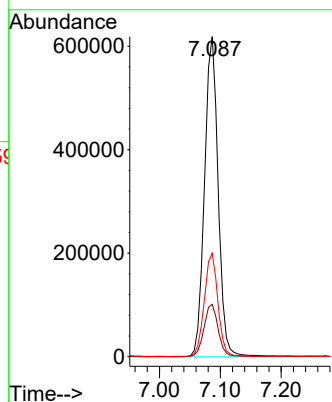
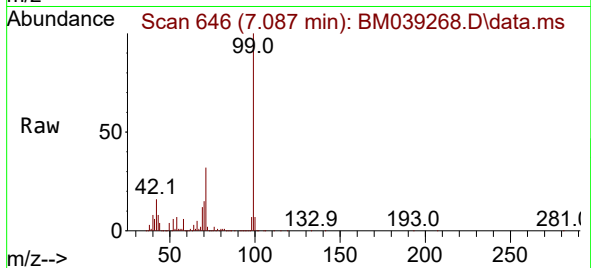




#7
Phenol-d6
Concen: 40.893 ng
RT: 7.087 min Scan# 64
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

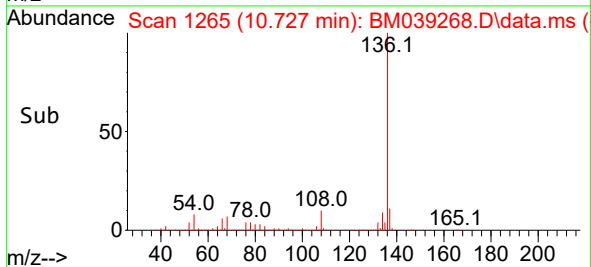
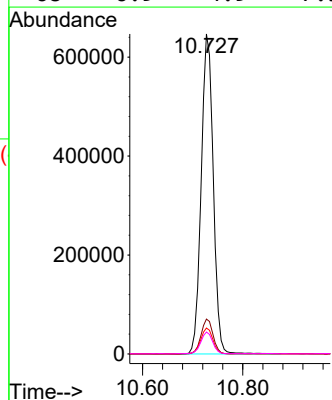
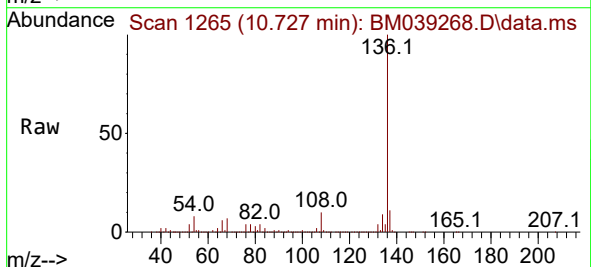
Instrument :
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ClientSampleId :
SU-03-033023

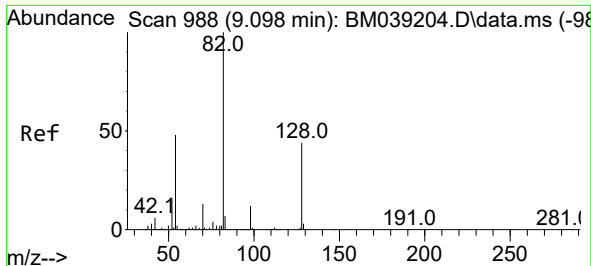
Tgt Ion: 99 Resp: 960803
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.6
71 32.3 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Tgt Ion: 136 Resp: 1079664
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.1 6.2 9.4
68 6.9 4.9 7.3

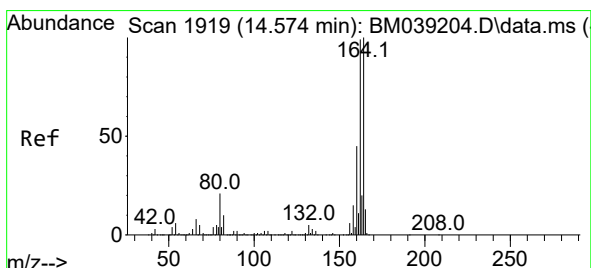
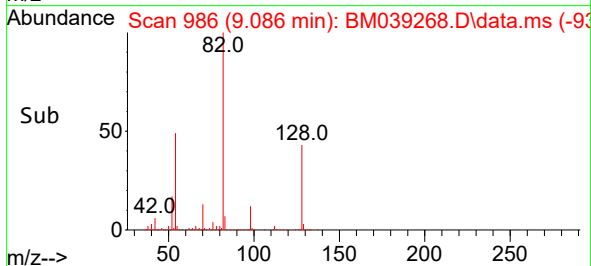
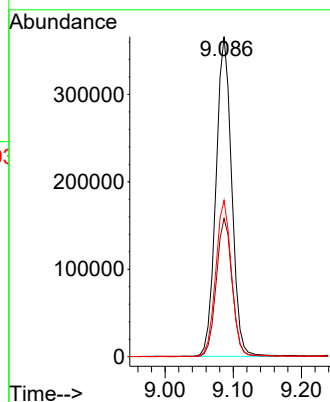
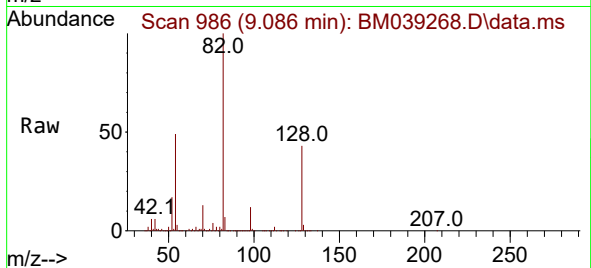




#23
Nitrobenzene-d5
Concen: 26.458 ng
RT: 9.086 min Scan# 91
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

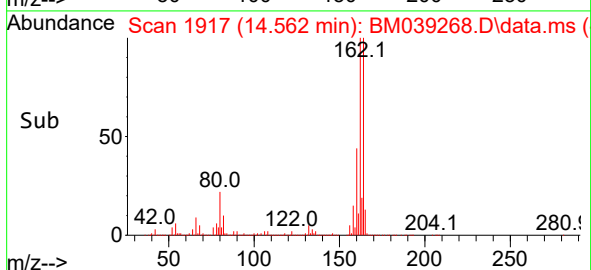
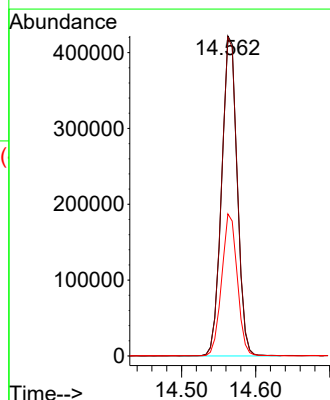
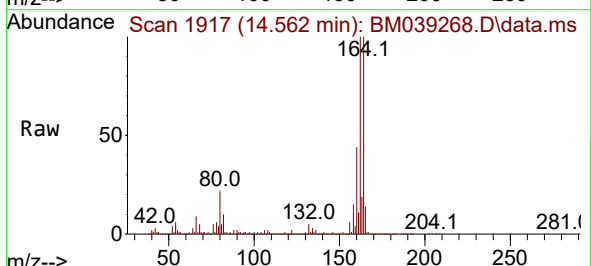
Instrument :
BNA_M
ClientSampleId :
SU-03-033023

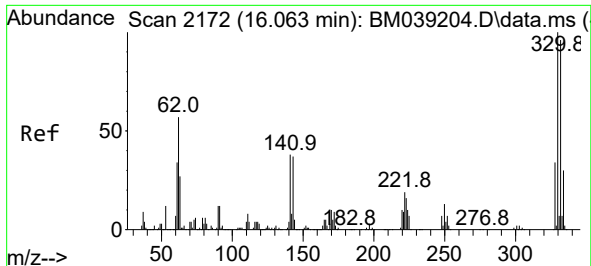
Tgt Ion: 82 Resp: 587733
Ion Ratio Lower Upper
82 100
128 43.2 35.1 52.7
54 48.9 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1917
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Tgt Ion: 164 Resp: 615144
Ion Ratio Lower Upper
164 100
162 99.7 79.1 118.7
160 44.4 35.8 53.8

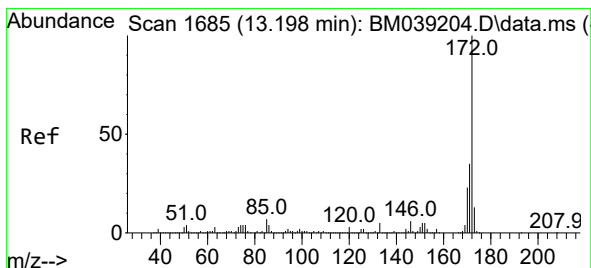
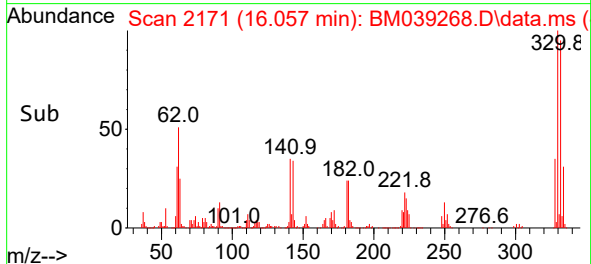
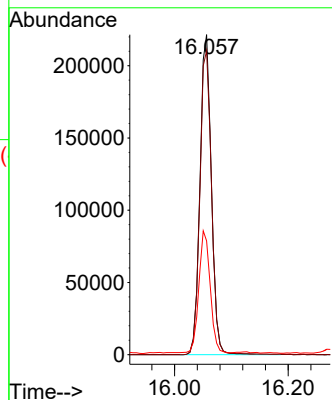
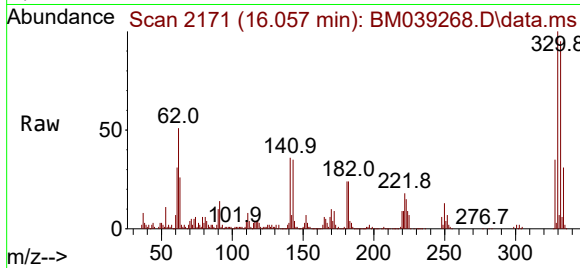




#42
2,4,6-Tribromophenol
Concen: 39.541 ng
RT: 16.057 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

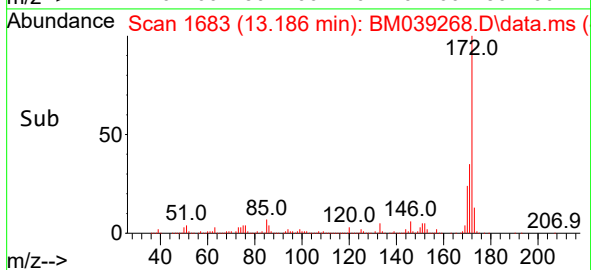
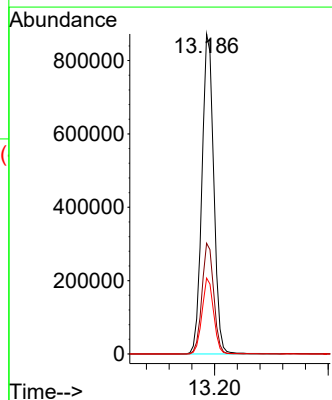
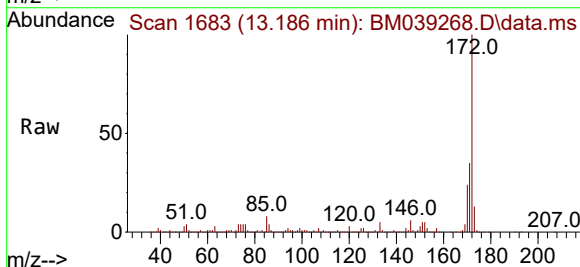
Instrument :
BNA_M
ClientSampleId :
SU-03-033023

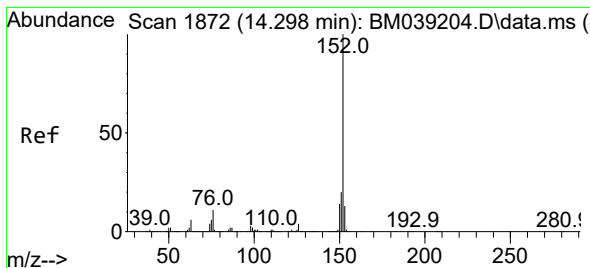
Tgt Ion:330 Resp: 308762
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 37.8 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 27.776 ng
RT: 13.186 min Scan# 1683
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Tgt Ion:172 Resp: 1261063
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.7 18.7 28.1





#49

Acenaphthylene

Concen: 8.693 ng

RT: 14.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

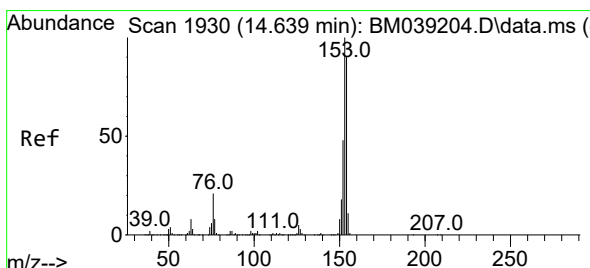
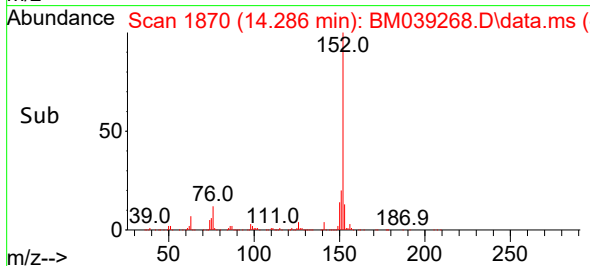
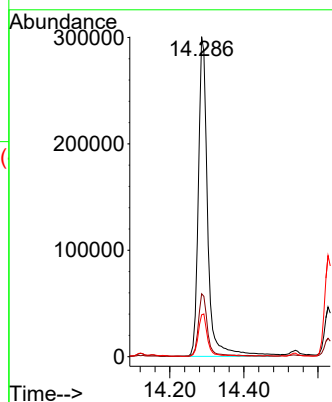
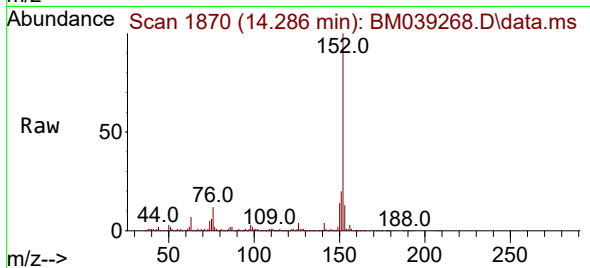
Tgt Ion:152 Resp: 525487

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

153 13.1 10.3 15.5



#52

Acenaphthene

Concen: 3.437 ng

RT: 14.627 min Scan# 1928

Delta R.T. -0.001 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

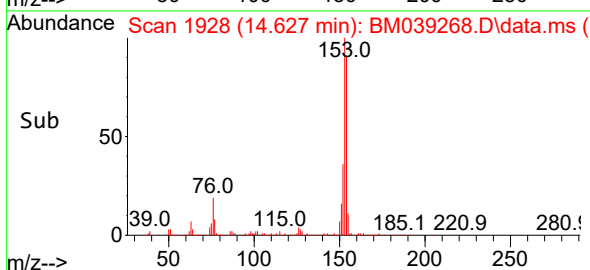
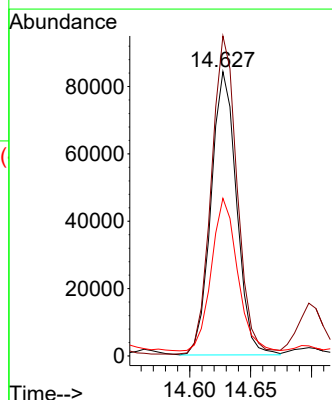
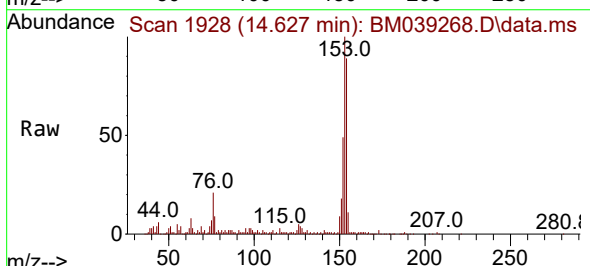
Tgt Ion:154 Resp: 122668

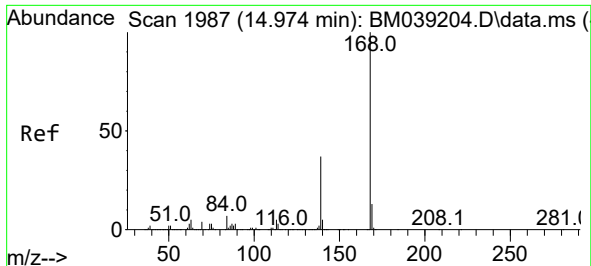
Ion Ratio Lower Upper

154 100

153 112.6 89.1 133.7

152 55.5 42.6 64.0

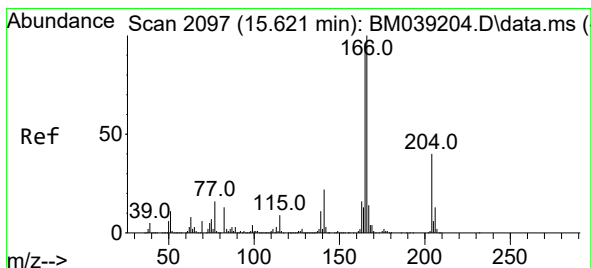
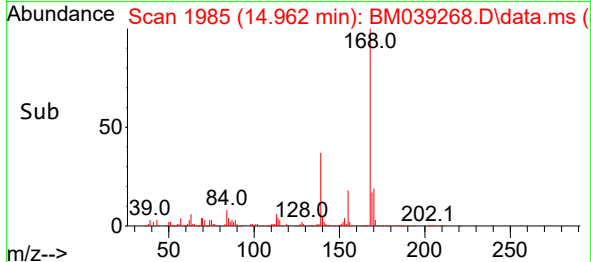
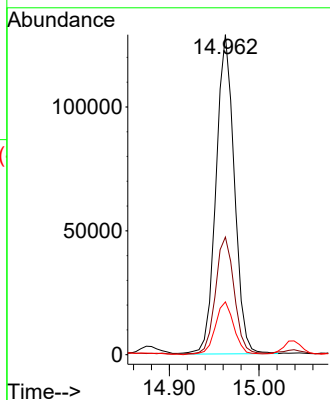
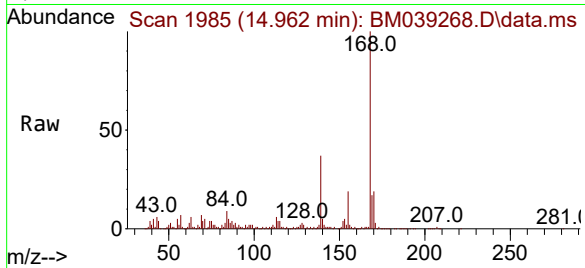




#55
Dibenzenofuran
Concen: 3.177 ng
RT: 14.962 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

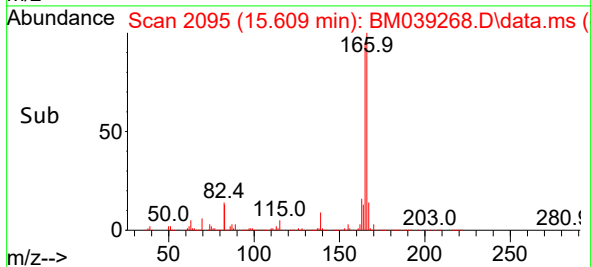
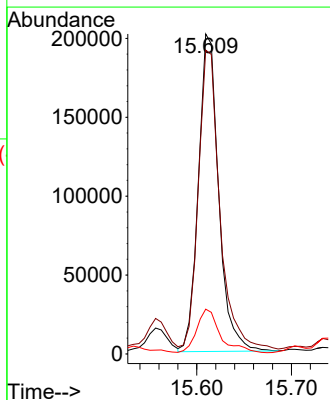
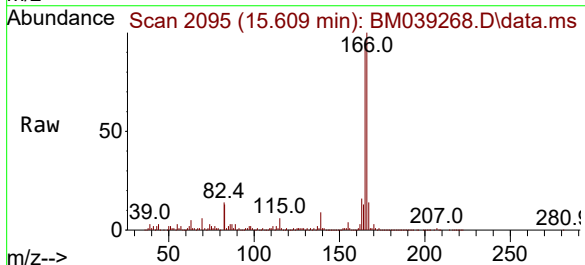
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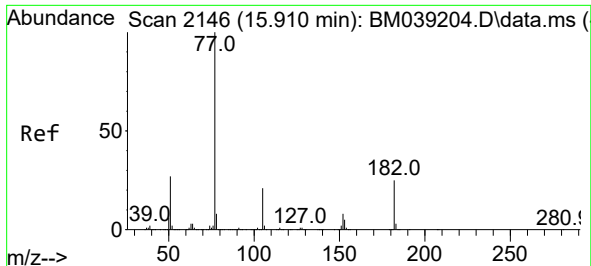
Tgt Ion:168 Resp: 182554
Ion Ratio Lower Upper
168 100
139 36.7 29.4 44.2
169 16.5 10.6 15.8#



#58
Fluorene
Concen: 6.585 ng
RT: 15.609 min Scan# 2095
Delta R.T. -0.001 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Tgt Ion:166 Resp: 299648
Ion Ratio Lower Upper
166 100
165 95.0 76.9 115.3
167 14.0 10.8 16.2

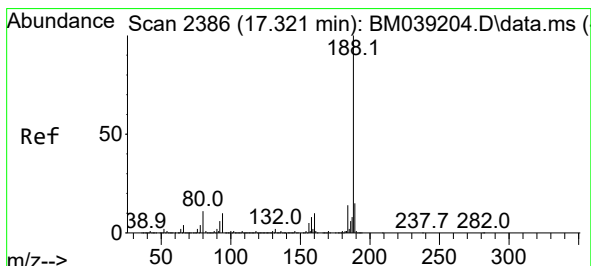
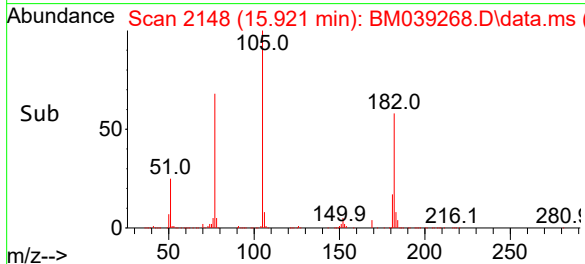
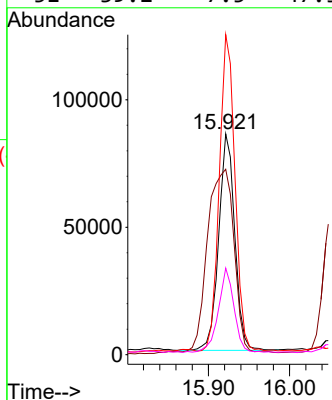
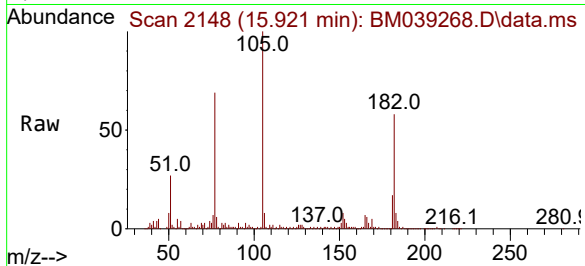




#63
Azobenzene
Concen: 2.455 ng
RT: 15.921 min Scan# 2146
Delta R.T. 0.023 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

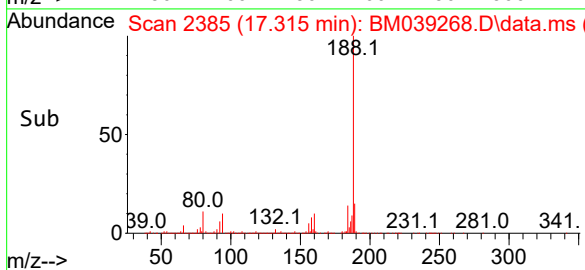
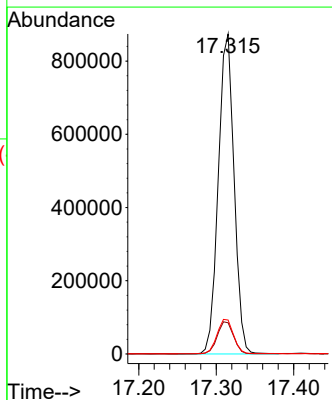
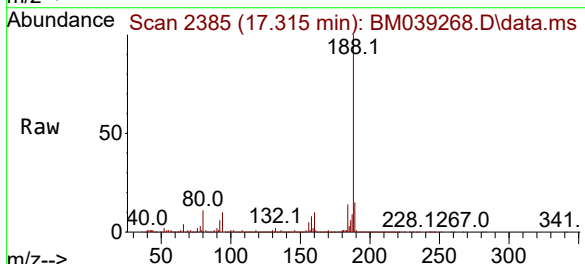
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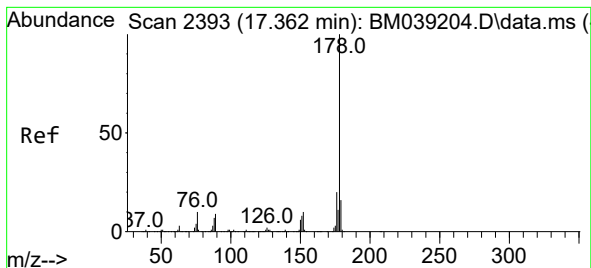
Tgt Ion: 77 Resp: 117377
Ion Ratio Lower Upper
77 100
182 84.0 4.8 44.8#
105 144.9 1.4 41.4#
51 39.2 7.5 47.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2385
Delta R.T. 0.005 min
Lab File: BM039268.D
Acq: 01 Apr 2023 00:18

Tgt Ion: 188 Resp: 1238883
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 10.6 8.9 13.3





#71

Phenanthrene

Concen: 49.442 ng

RT: 17.356 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

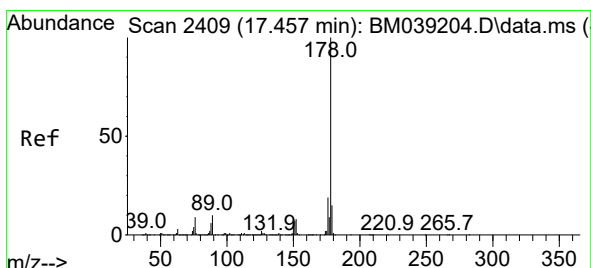
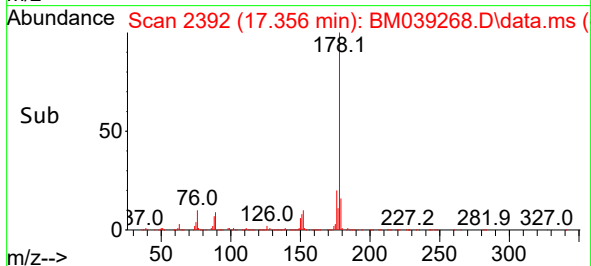
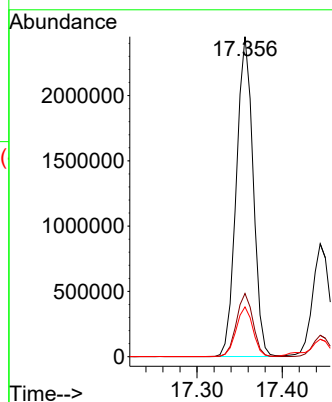
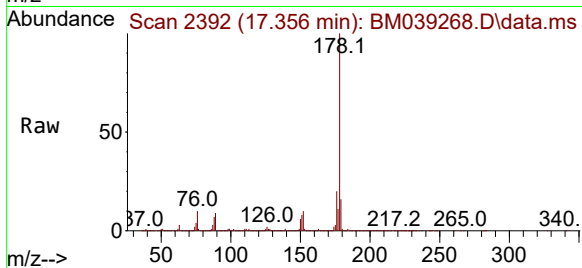
Tgt Ion:178 Resp: 3354712

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.6 12.4 18.6



#72

Anthracene

Concen: 17.050 ng

RT: 17.445 min Scan# 2407

Delta R.T. -0.001 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

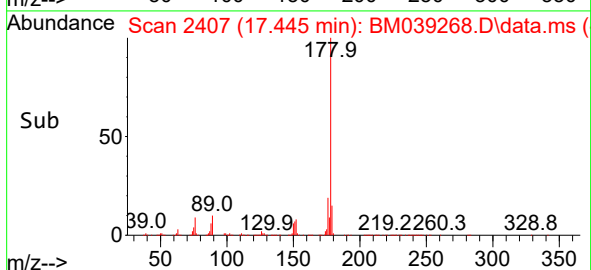
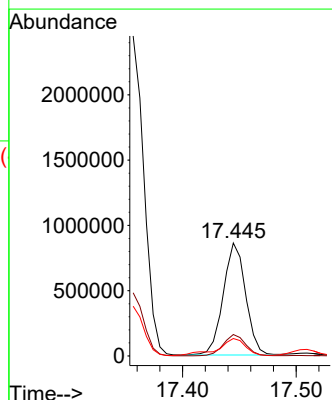
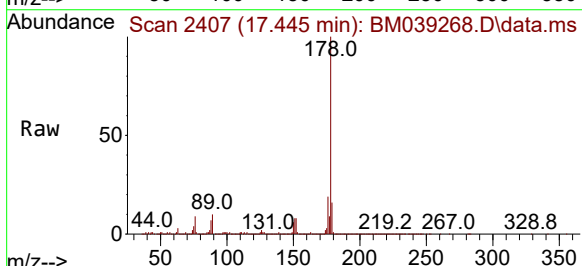
Tgt Ion:178 Resp: 1179606

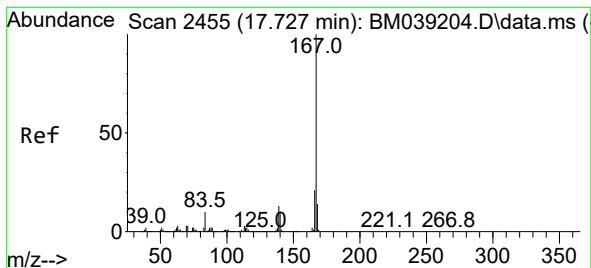
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.5 12.2 18.2





#73

Carbazole

Concen: 5.573 ng

RT: 17.721 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

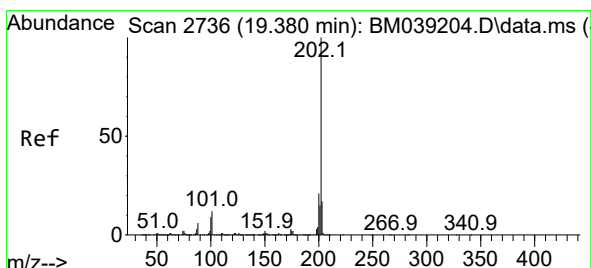
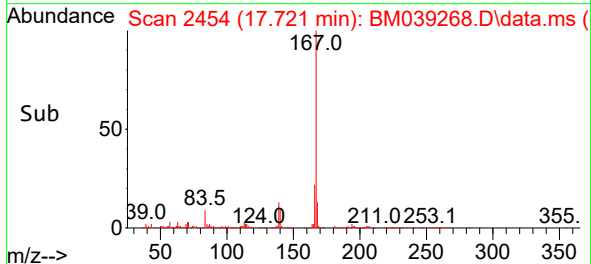
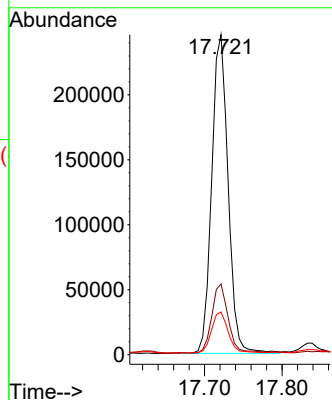
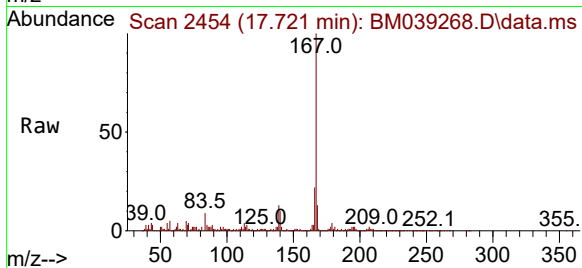
Tgt Ion:167 Resp: 360269

Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

139 13.3 10.6 16.0



#75

Fluoranthene

Concen: 59.724 ng

RT: 19.374 min Scan# 2735

Delta R.T. 0.005 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

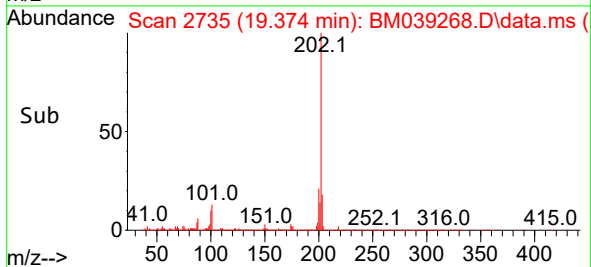
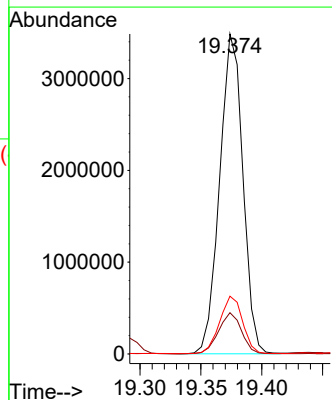
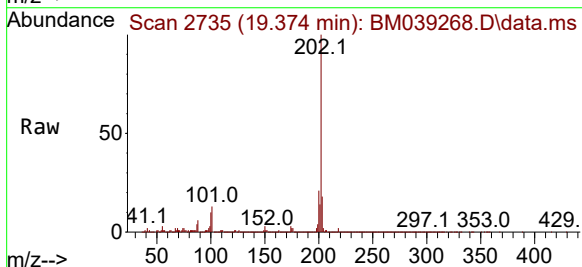
Tgt Ion:202 Resp: 4619383

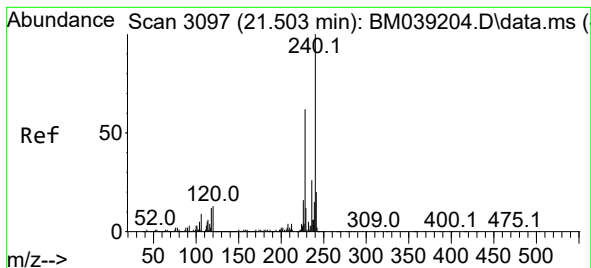
Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.5

203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.497 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

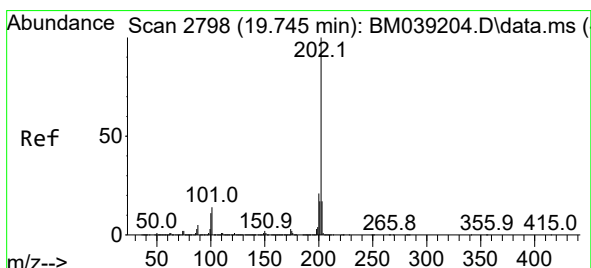
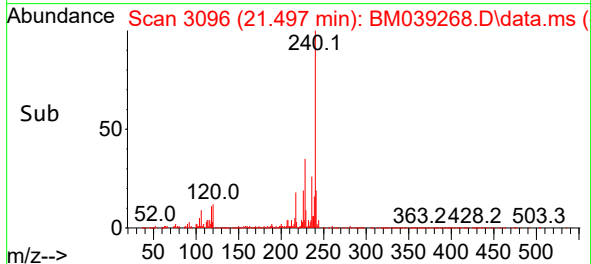
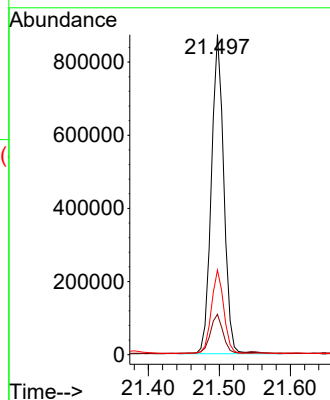
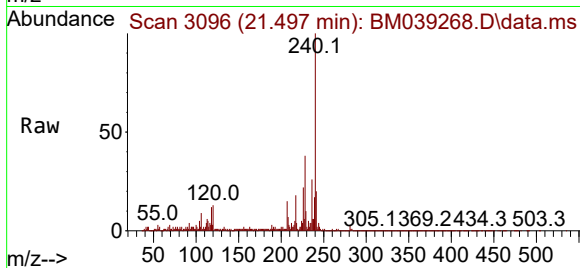
Tgt Ion:240 Resp: 1063415

Ion Ratio Lower Upper

240 100

120 12.6 10.2 15.2

236 26.4 20.9 31.3



#78

Pyrene

Concen: 54.573 ng

RT: 19.739 min Scan# 2797

Delta R.T. 0.005 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

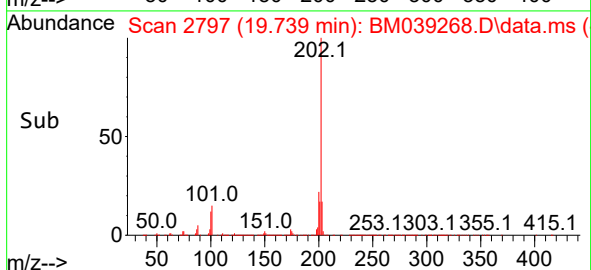
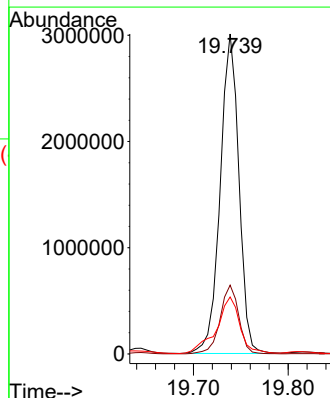
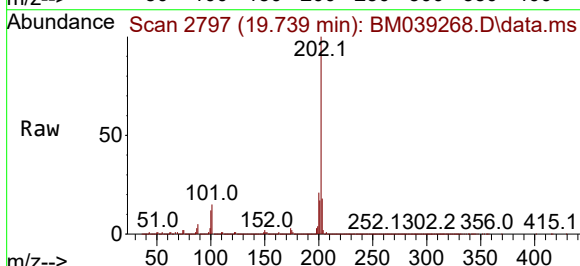
Tgt Ion:202 Resp: 4131409

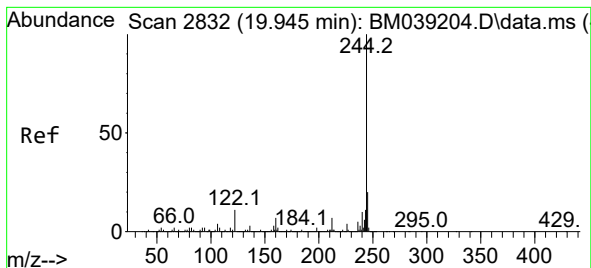
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 30.174 ng

RT: 19.939 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

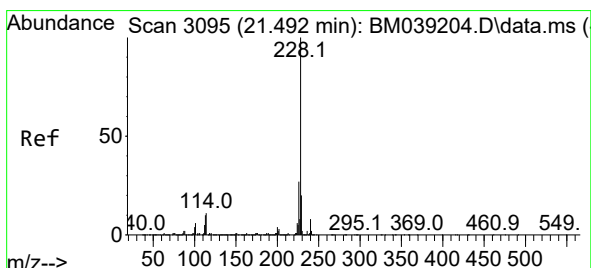
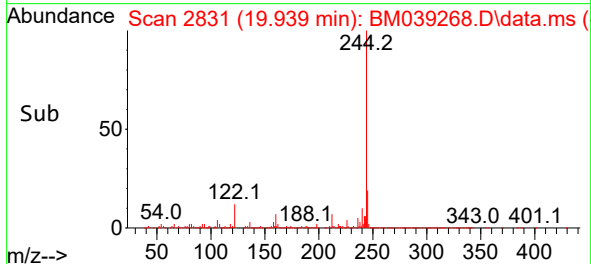
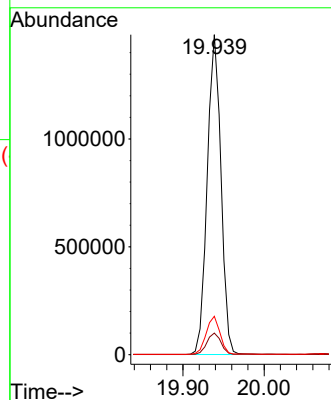
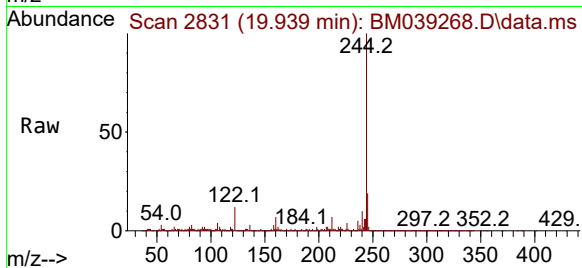
Tgt Ion:244 Resp: 1736751

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 12.0 9.1 13.7



#81

Benzo(a)anthracene

Concen: 29.560 ng

RT: 21.480 min Scan# 3093

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

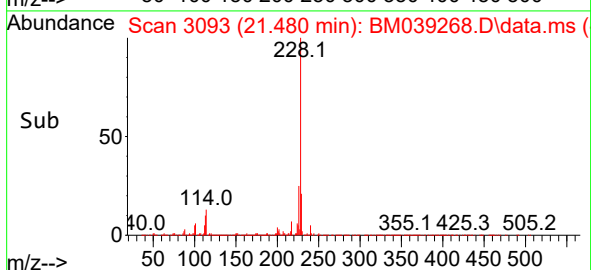
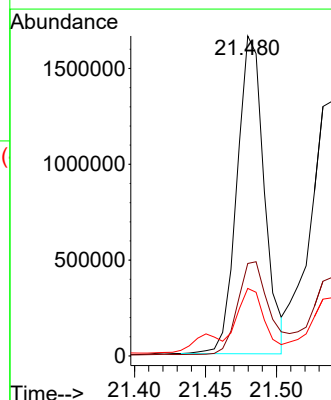
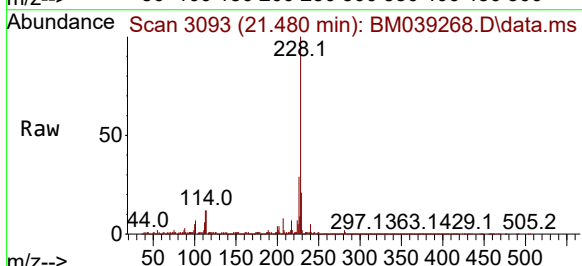
Tgt Ion:228 Resp: 2216937

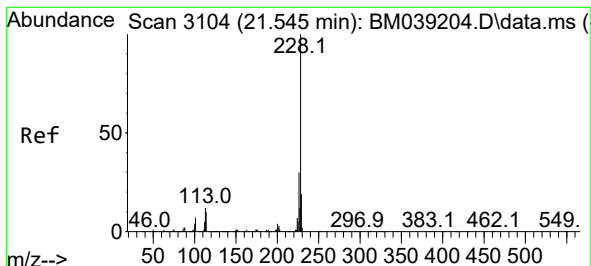
Ion Ratio Lower Upper

228 100

226 28.9 21.9 32.9

229 21.1 15.8 23.6





#83

Chrysene

Concen: 27.449 ng

RT: 21.538 min Scan# 3104

Delta R.T. 0.005 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

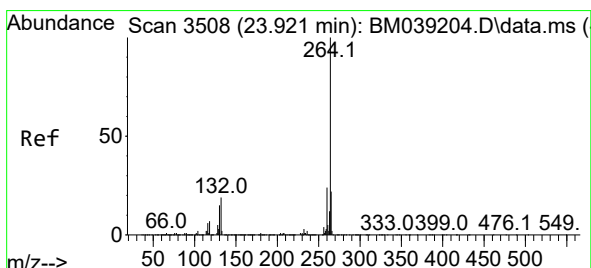
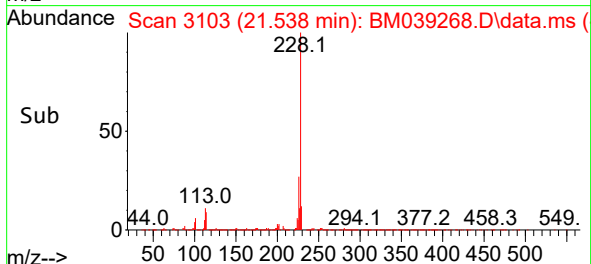
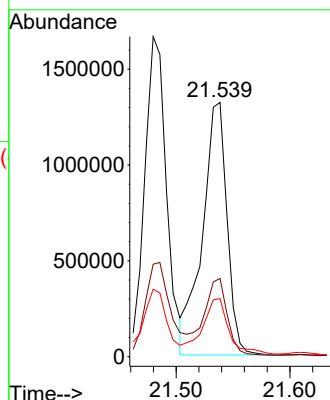
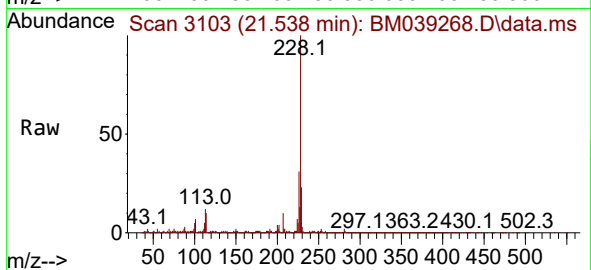
Tgt Ion:228 Resp: 1987372

Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 22.9 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.915 min Scan# 3507

Delta R.T. 0.011 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

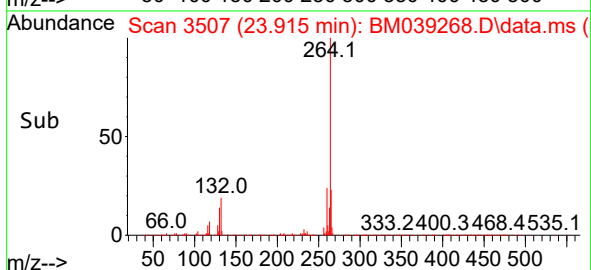
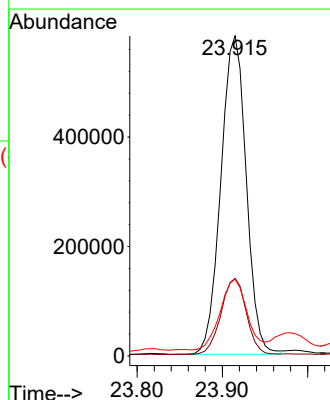
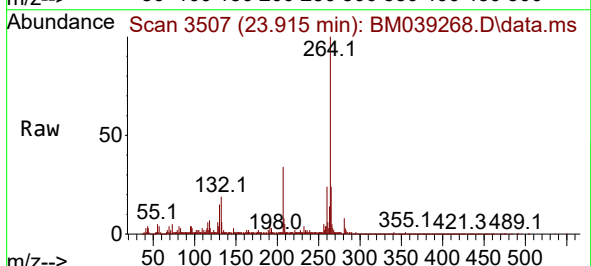
Tgt Ion:264 Resp: 1199609

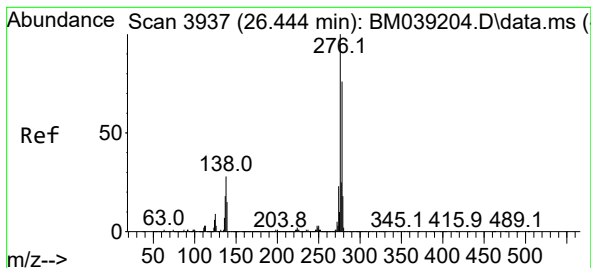
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 24.0 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.974 ng

RT: 26.426 min Scan# 3934

Delta R.T. 0.011 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

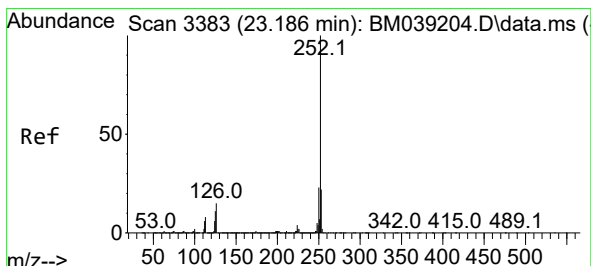
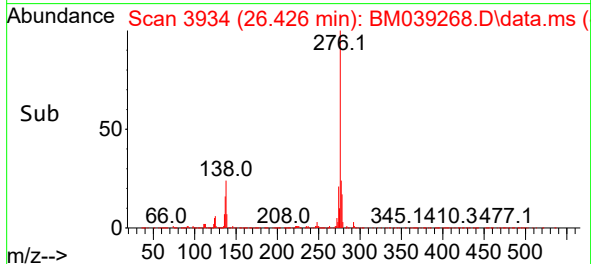
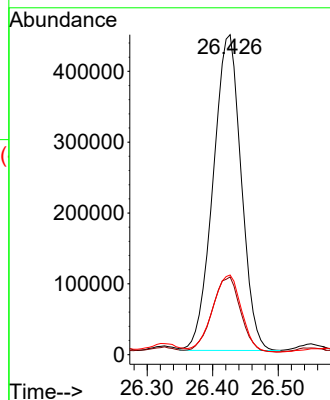
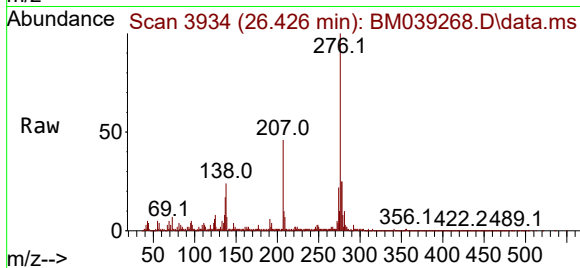
Tgt Ion:276 Resp: 1323498

Ion Ratio Lower Upper

276 100

138 24.1 22.2 33.2

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 35.048 ng

RT: 23.180 min Scan# 3382

Delta R.T. 0.005 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

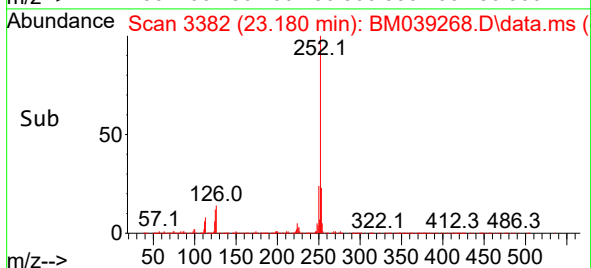
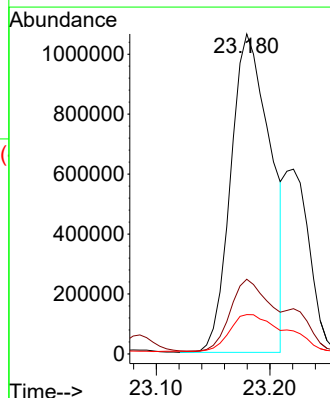
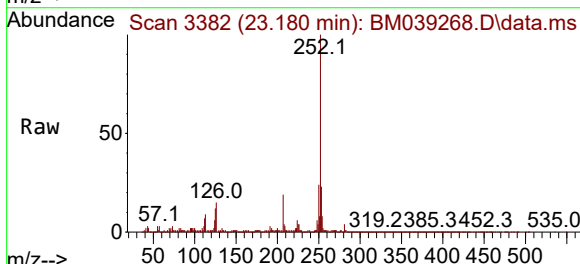
Tgt Ion:252 Resp: 2572588

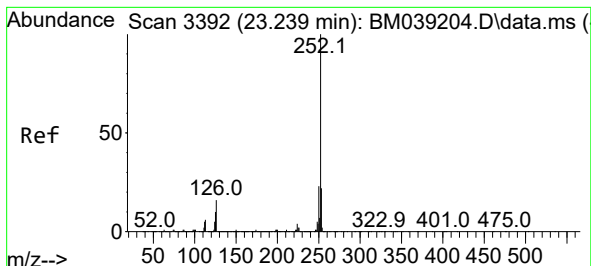
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 12.3 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 34.408 ng

RT: 23.180 min Scan# 31

Delta R.T. -0.042 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

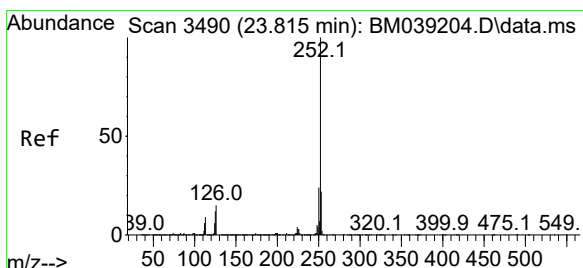
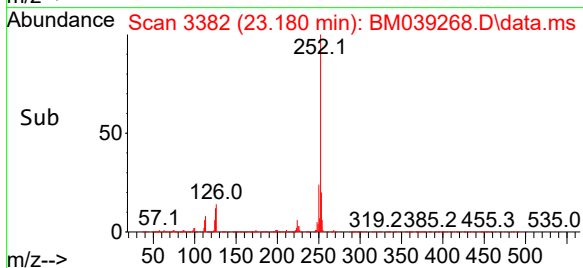
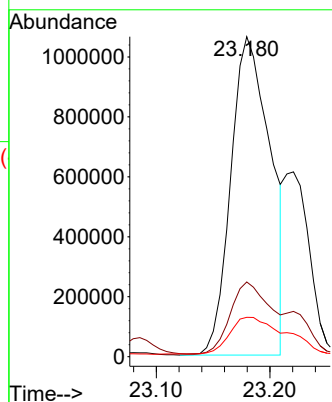
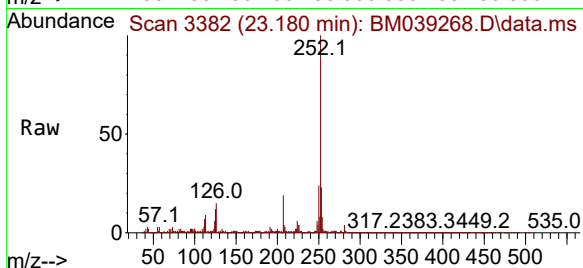
Tgt Ion:252 Resp: 2572588

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 12.3 8.5 12.7



#90

Benzo(a)pyrene

Concen: 27.529 ng

RT: 23.809 min Scan# 3489

Delta R.T. 0.011 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

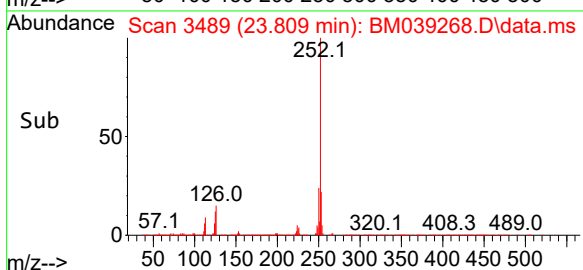
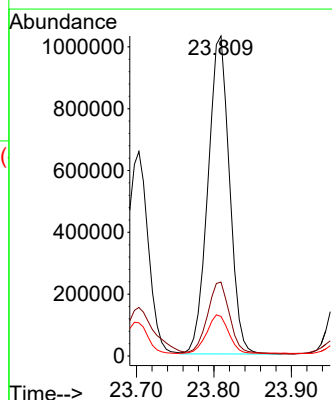
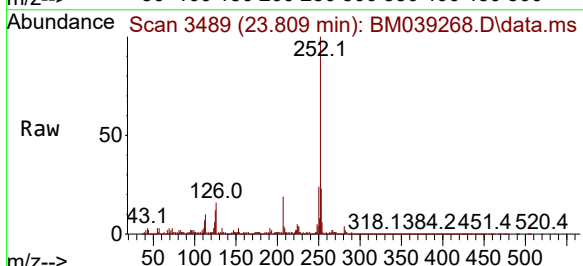
Tgt Ion:252 Resp: 1985044

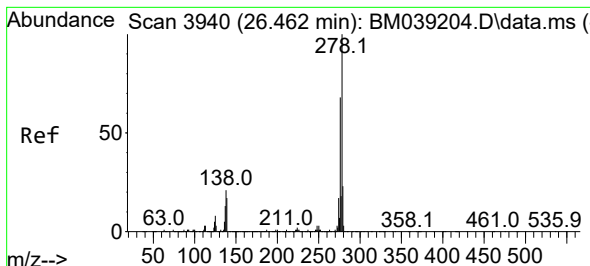
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 12.3 9.8 14.6





#91

Dibenzo(a,h)anthracene

Concen: 5.062 ng

RT: 26.426 min Scan# 3940

Delta R.T. -0.000 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Instrument :

BNA_M

ClientSampleId :

SU-03-033023

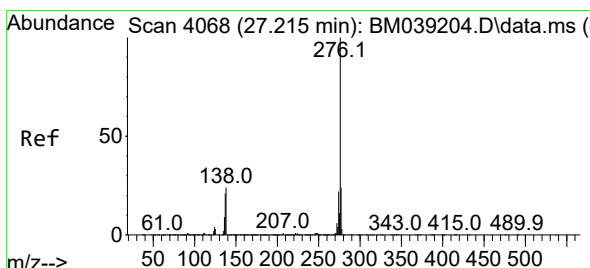
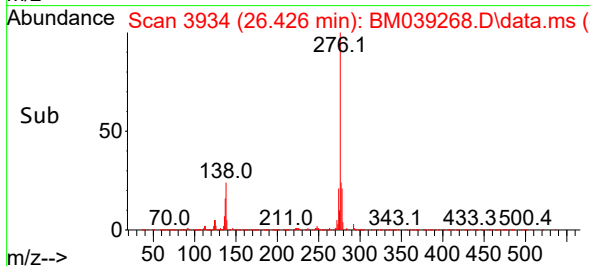
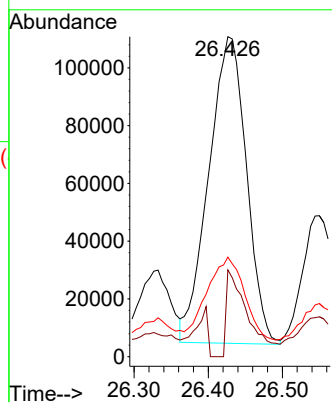
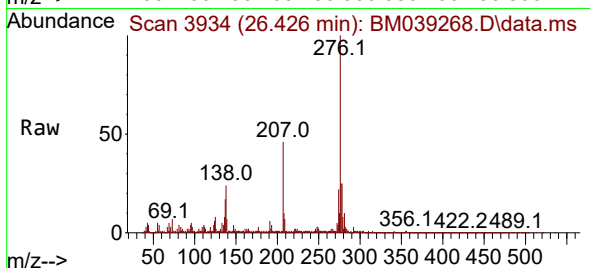
Tgt Ion:278 Resp: 375665

Ion Ratio Lower Upper

278 100

139 27.1 13.9 20.9#

279 31.1 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 17.791 ng

RT: 27.203 min Scan# 4066

Delta R.T. 0.017 min

Lab File: BM039268.D

Acq: 01 Apr 2023 00:18

Tgt Ion:276 Resp: 1298529

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 24.3 19.5 29.3

