

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039132.D
 Acq On : 24 Mar 2023 01:07
 Operator : CG/JU
 Sample : 02029-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-2-032123

Quant Time: Mar 24 04:36:33 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)

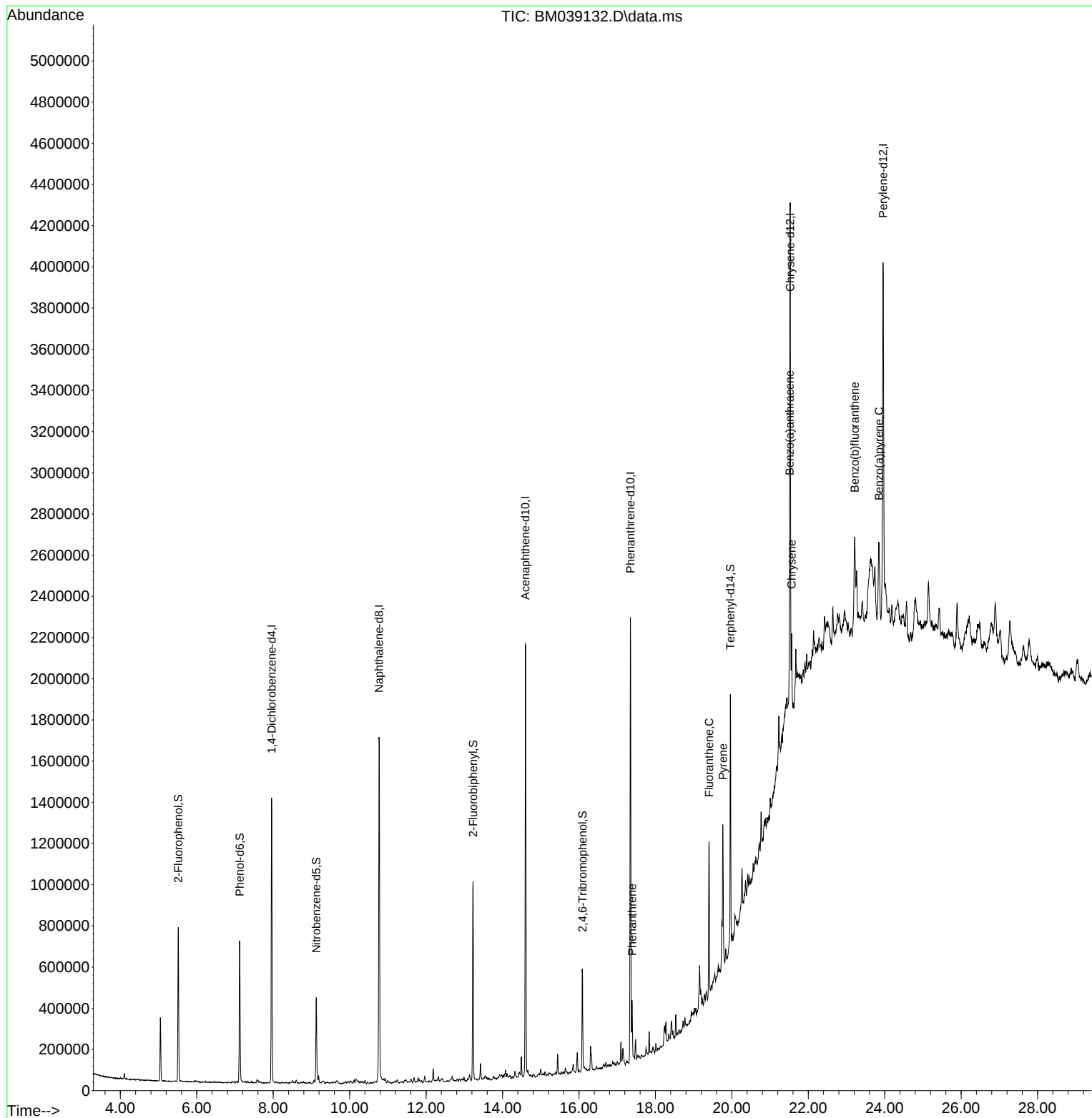
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	373371	20.000	ng	-0.01
21) Naphthalene-d8	10.769	136	1439018	20.000	ng	-0.01
39) Acenaphthene-d10	14.598	164	733494	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1314848	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1127022	20.000	ng	0.00
86) Perylene-d12	23.956	264	1267145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	330635	13.454	ng	0.00
7) Phenol-d6	7.122	99	410154	12.849	ng	0.00
23) Nitrobenzene-d5	9.128	82	248302	8.476	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	93200	10.984	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	500888	8.890	ng	0.00
79) Terphenyl-d14	19.962	244	566807	9.195	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.386	178	165877	2.150	ng	99
75) Fluoranthene	19.404	202	435942	5.350	ng	100
78) Pyrene	19.762	202	406874	4.807	ng	98
81) Benzo(a)anthracene	21.509	228	226314	2.788	ng	94
83) Chrysene	21.562	228	202773	2.569	ng	97
88) Benzo(b)fluoranthene	23.215	252	272234	3.363	ng	# 82
90) Benzo(a)pyrene	23.850	252	200770	2.577	ng	# 85

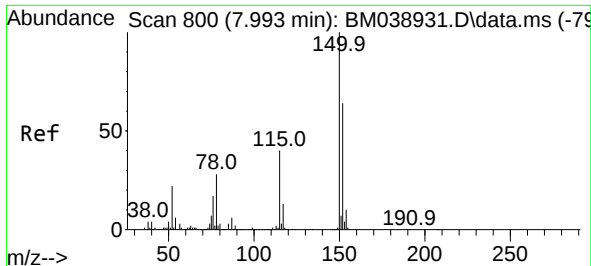
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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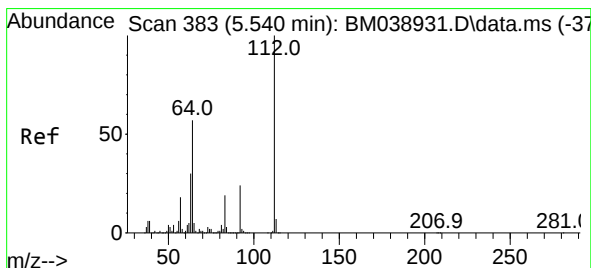
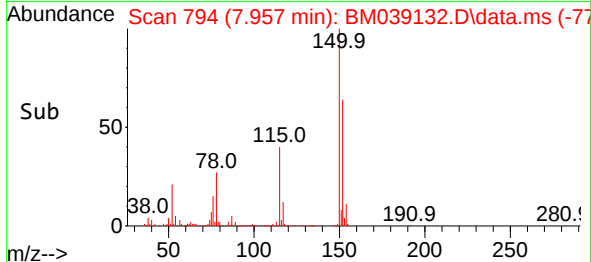
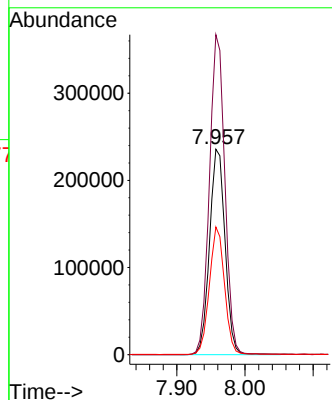
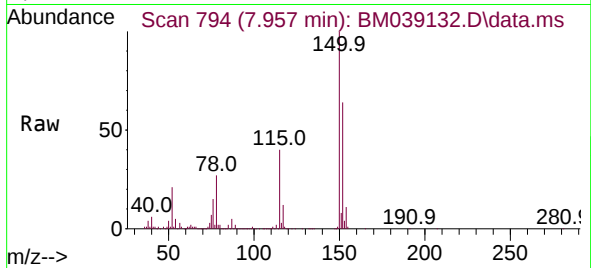




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

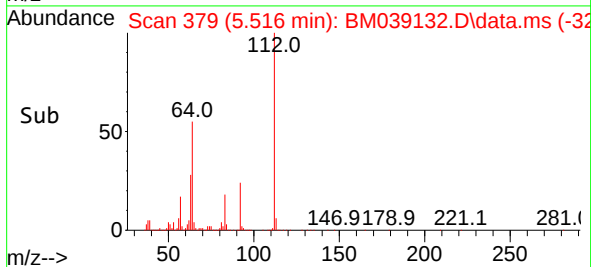
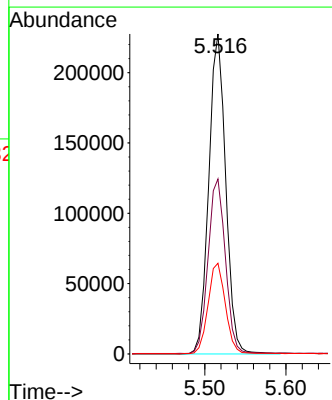
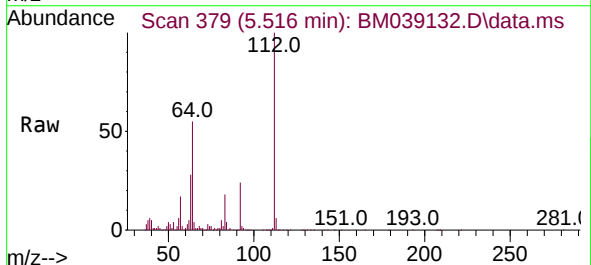
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

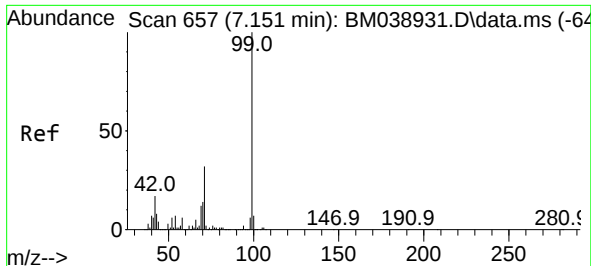
Tgt Ion:152 Resp: 373371
Ion Ratio Lower Upper
152 100
150 155.8 125.1 187.7
115 62.1 49.6 74.4



#5
2-Fluorophenol
Concen: 13.454 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:112 Resp: 330635
Ion Ratio Lower Upper
112 100
64 54.7 45.9 68.9
63 28.3 23.8 35.8

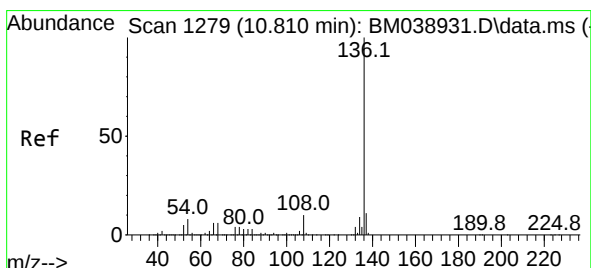
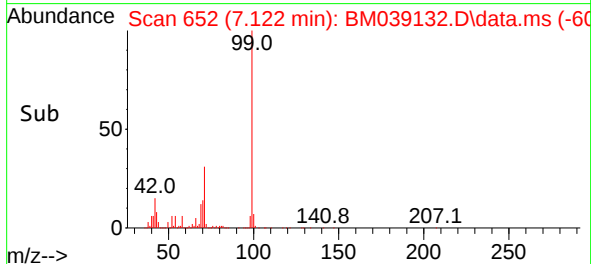
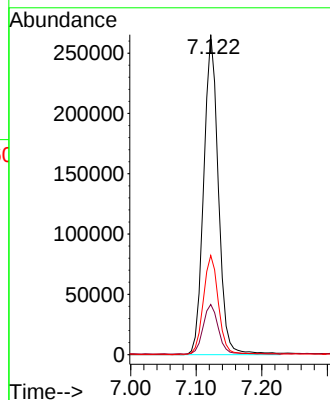
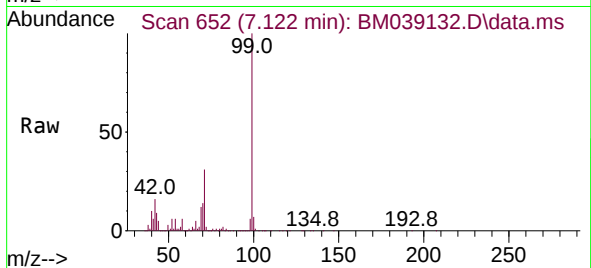




#7
Phenol-d6
Concen: 12.849 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

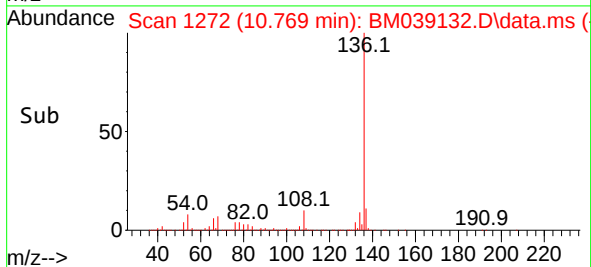
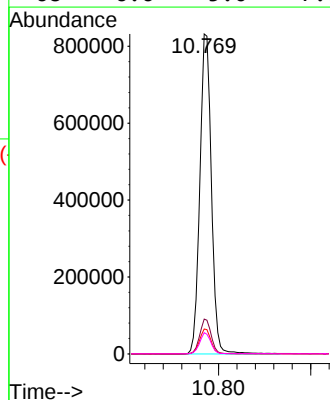
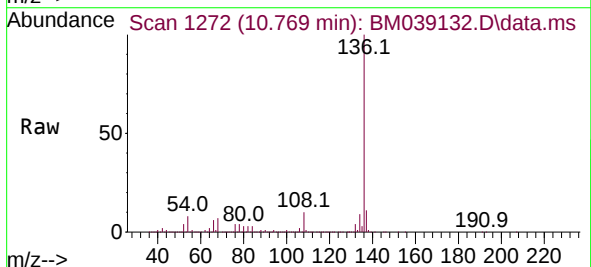
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

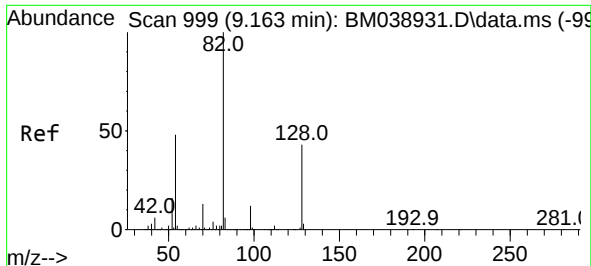
Tgt Ion: 99 Resp: 410154
Ion Ratio Lower Upper
99 100
42 15.7 13.5 20.3
71 31.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.769 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion: 136 Resp: 1439018
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 6.3 9.5
68 6.6 5.0 7.6

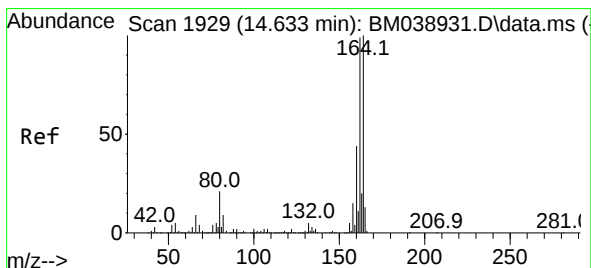
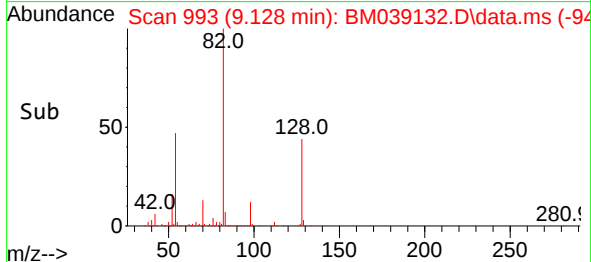
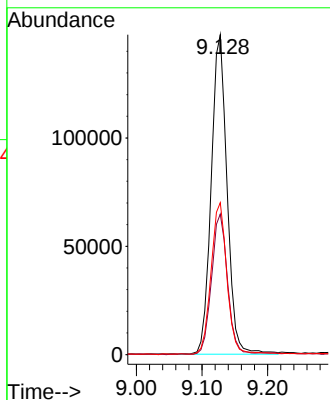
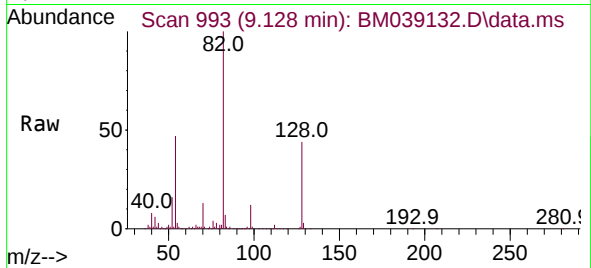




#23
Nitrobenzene-d5
Concen: 8.476 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

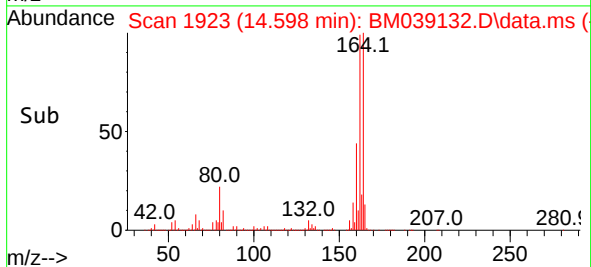
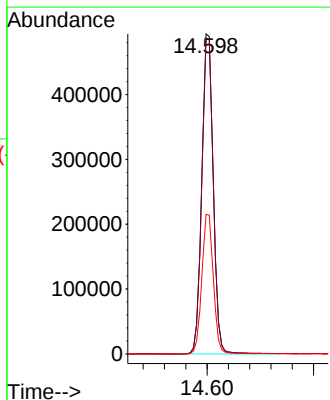
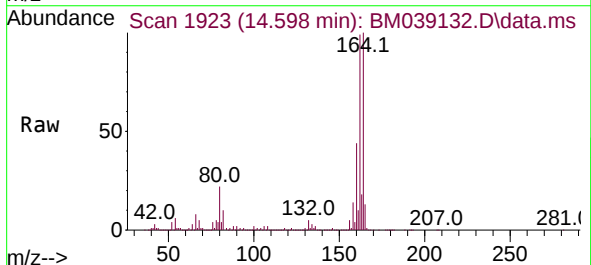
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

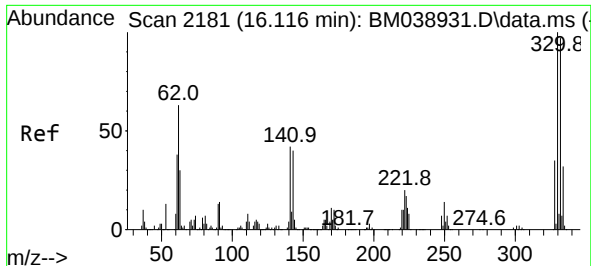
Tgt Ion: 82 Resp: 248302
Ion Ratio Lower Upper
82 100
128 43.9 34.4 51.6
54 47.5 38.8 58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion: 164 Resp: 733494
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 43.6 35.5 53.3

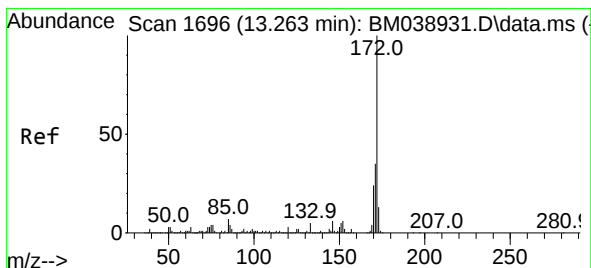
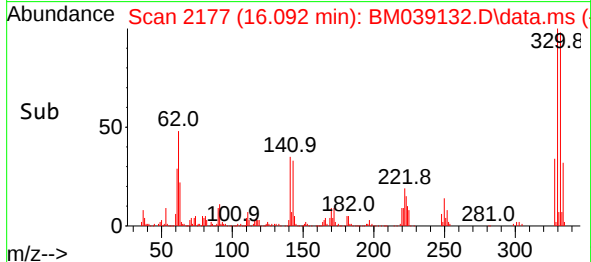
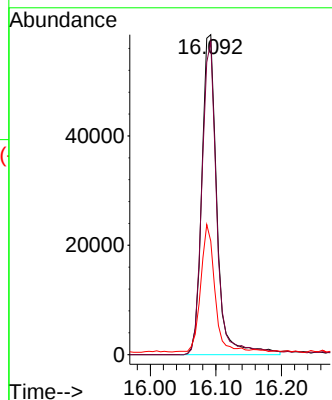
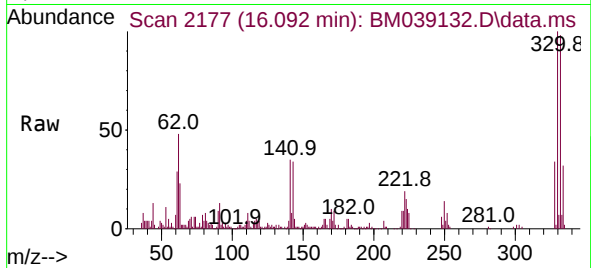




#42
2,4,6-Tribromophenol
Concen: 10.984 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

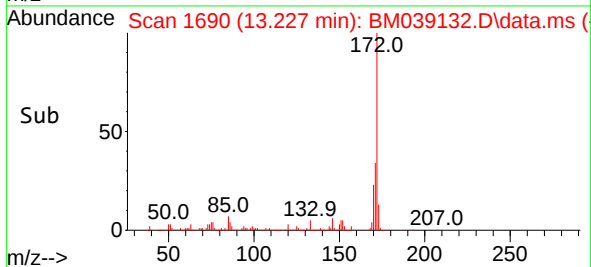
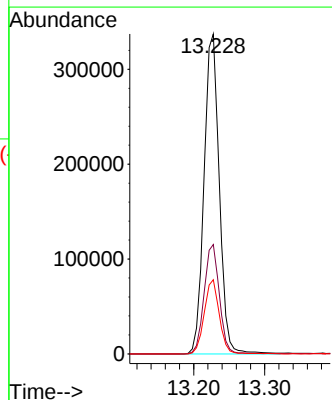
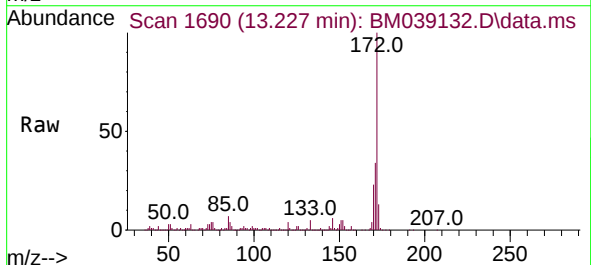
Instrument :
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ClientSampleId :
OR-2-032123

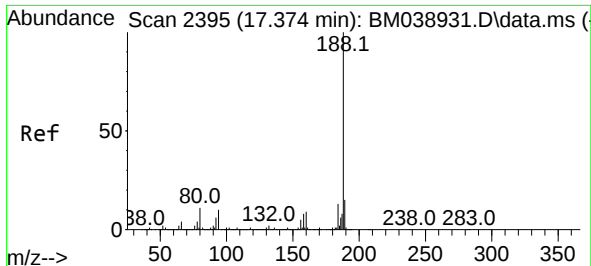
Tgt Ion:330 Resp: 93200
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 37.0 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 8.890 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:172 Resp: 500888
Ion Ratio Lower Upper
172 100
171 34.2 28.2 42.2
170 23.2 19.1 28.7

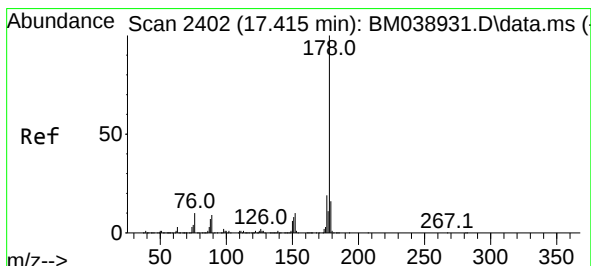
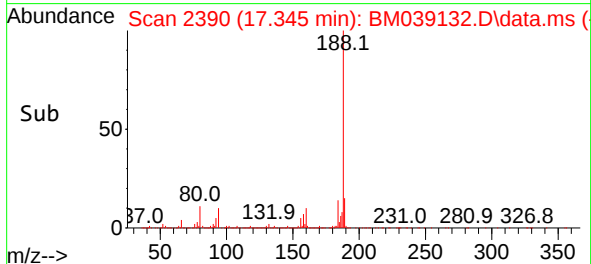
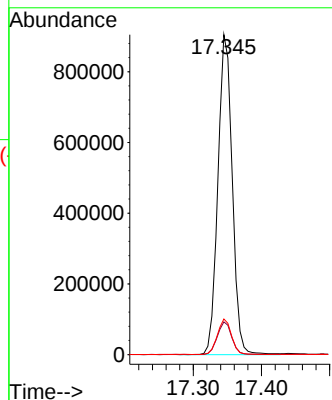
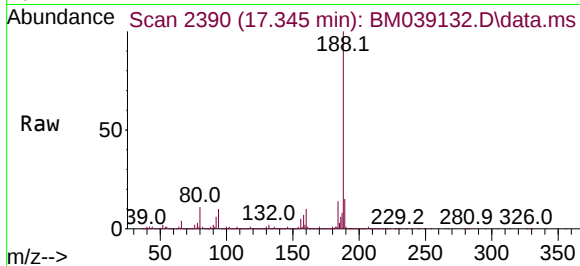




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

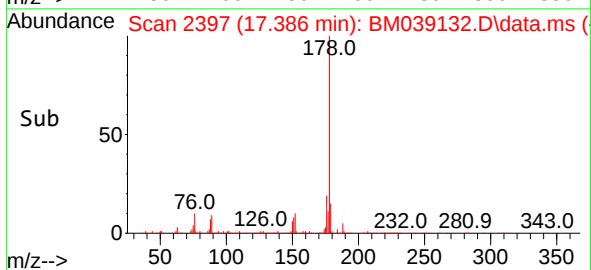
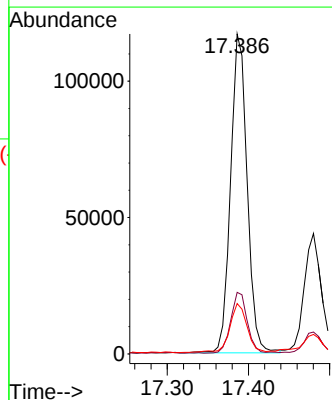
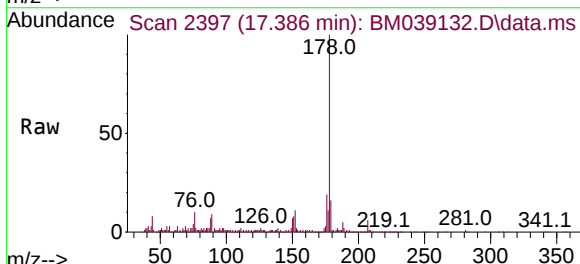
Instrument :
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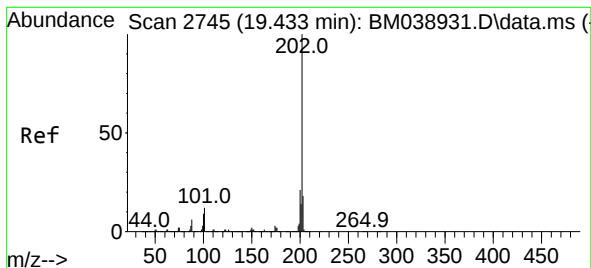
Tgt Ion:188 Resp: 1314848
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.1 8.5 12.7



#71
Phenanthrene
Concen: 2.150 ng
RT: 17.386 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:178 Resp: 165877
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.7 12.5 18.7





#75

Fluoranthene

Concen: 5.350 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

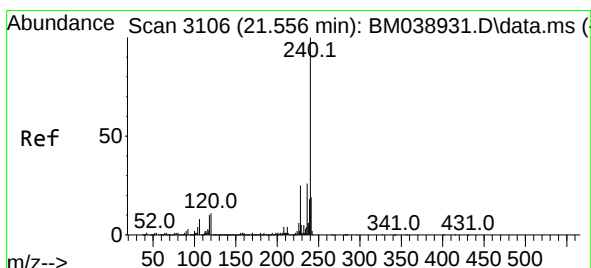
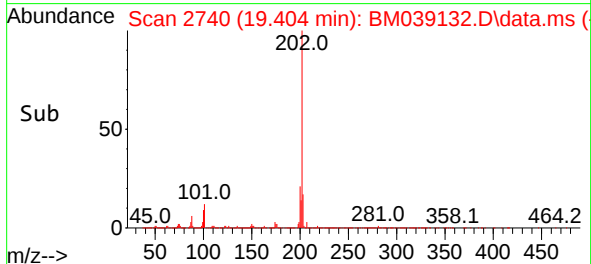
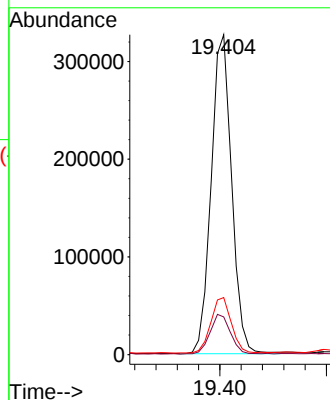
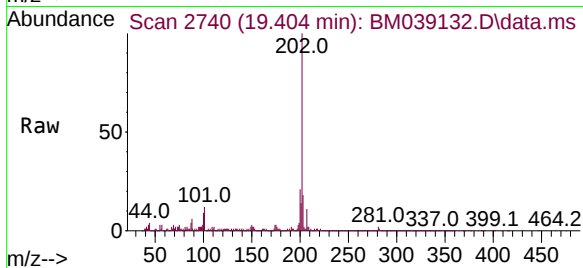
Tgt Ion:202 Resp: 435942

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.7

203 17.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

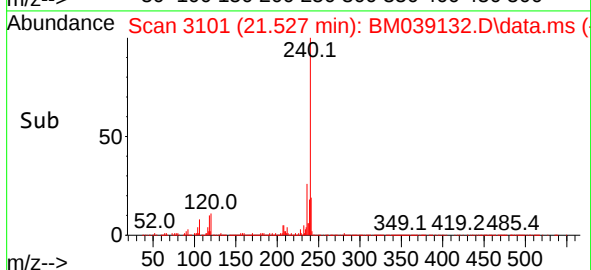
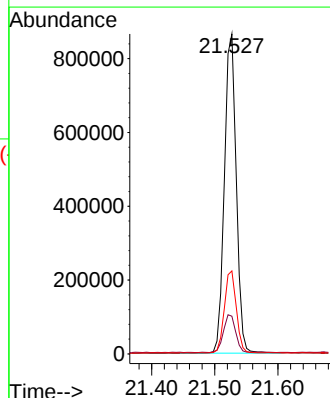
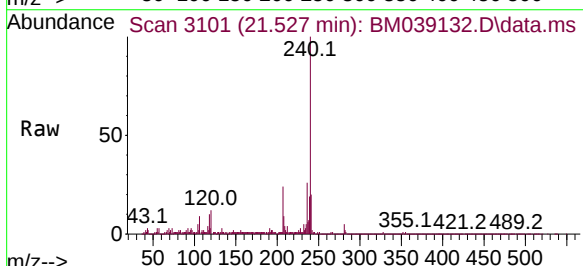
Tgt Ion:240 Resp: 1127022

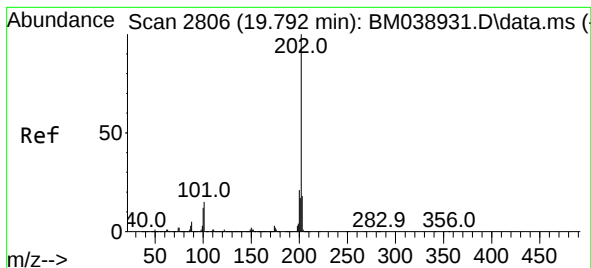
Ion Ratio Lower Upper

240 100

120 11.8 9.2 13.8

236 25.9 20.8 31.2





#78

Pyrene

Concen: 4.807 ng

RT: 19.762 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

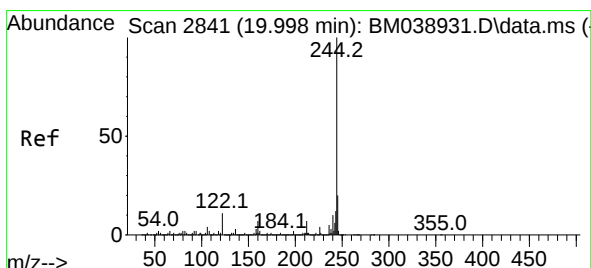
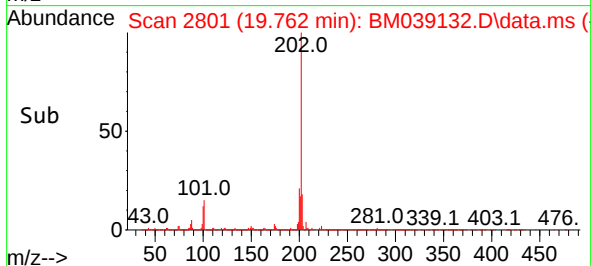
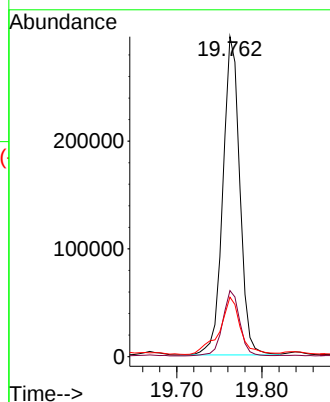
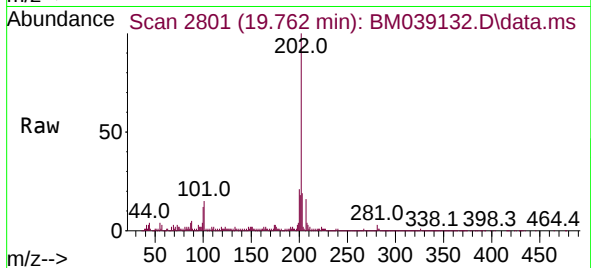
Tgt Ion:202 Resp: 406874

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 18.6 14.1 21.1



#79

Terphenyl-d14

Concen: 9.195 ng

RT: 19.962 min Scan# 2835

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

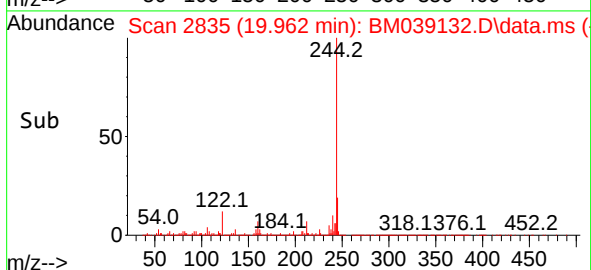
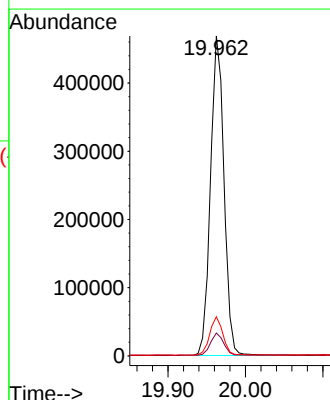
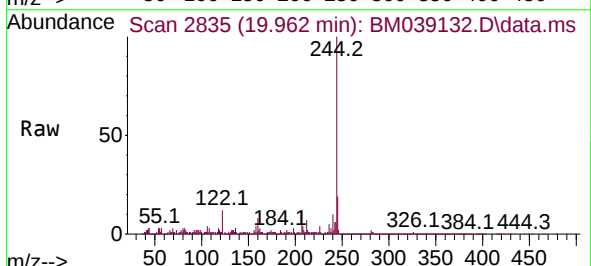
Tgt Ion:244 Resp: 566807

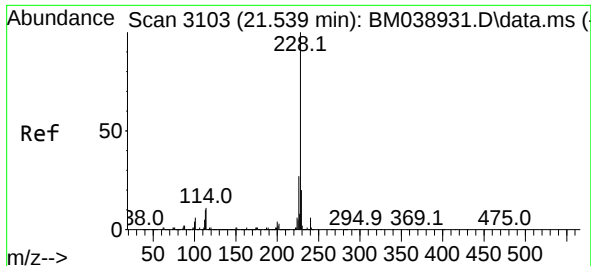
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.2 9.0 13.4

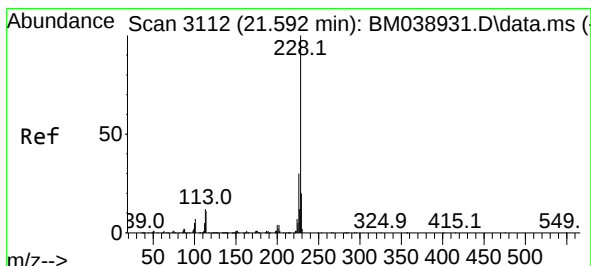
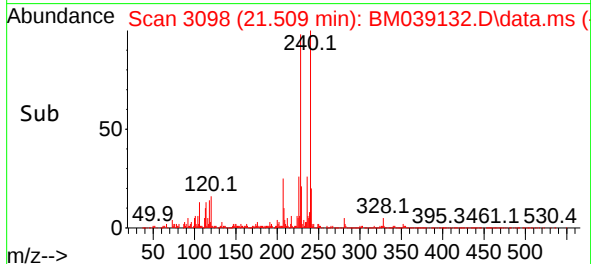
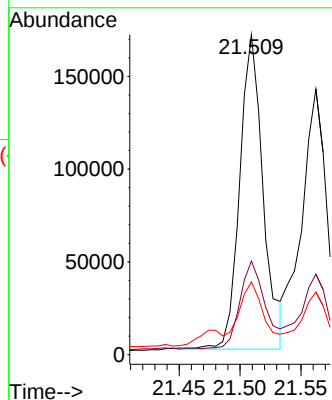
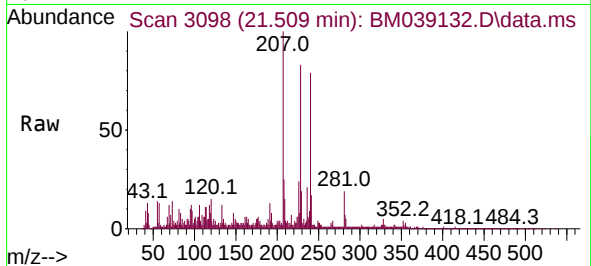




#81
Benzo(a)anthracene
Concen: 2.788 ng
RT: 21.509 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

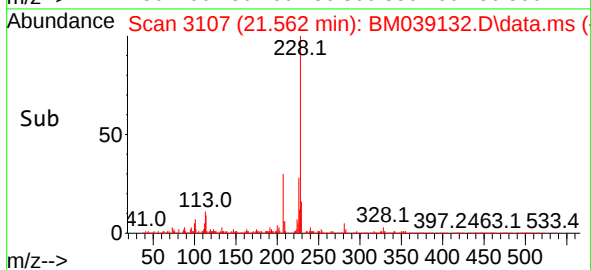
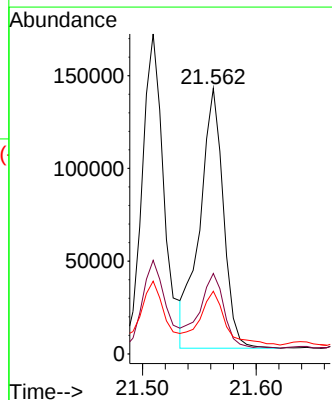
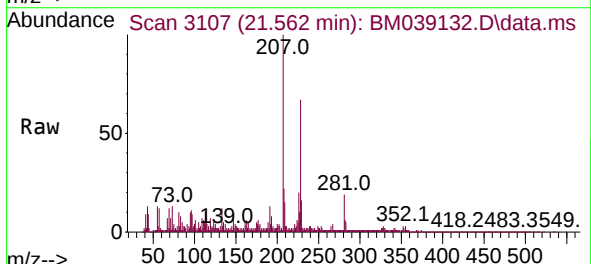
Instrument :
BNA_M
ClientSampleId :
OR-2-032123

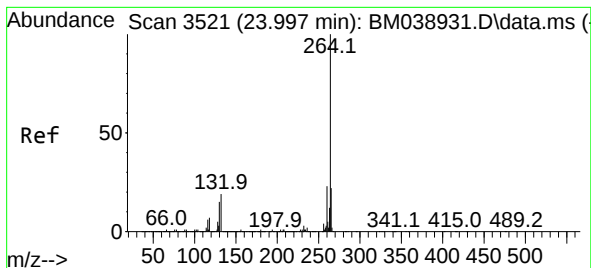
Tgt Ion:228 Resp: 226314
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.2
229 22.7 15.7 23.5



#83
Chrysene
Concen: 2.569 ng
RT: 21.562 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM039132.D
Acq: 24 Mar 2023 01:07

Tgt Ion:228 Resp: 202773
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 23.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123

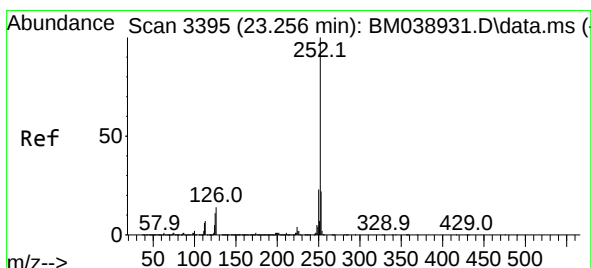
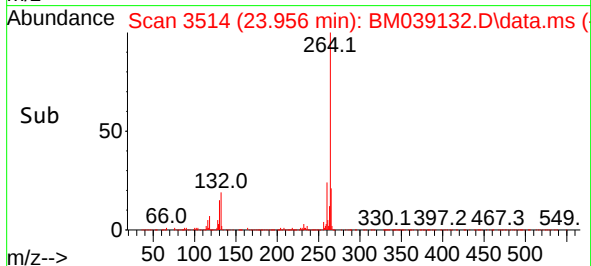
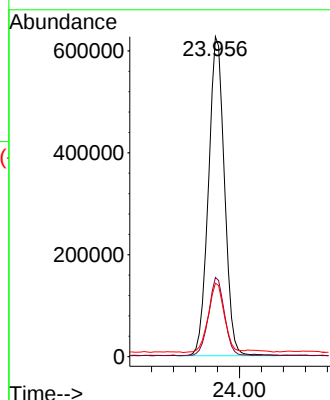
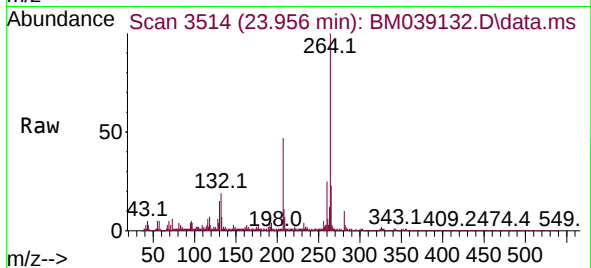
Tgt Ion:264 Resp: 1267145

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

265 22.9 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 3.363 ng

RT: 23.215 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM039132.D

Acq: 24 Mar 2023 01:07

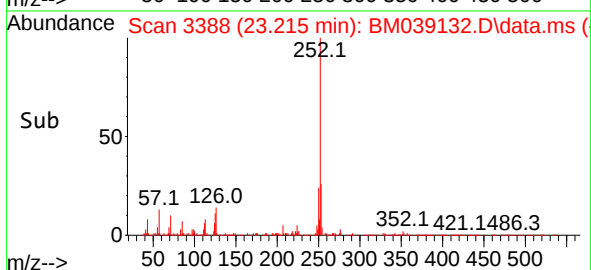
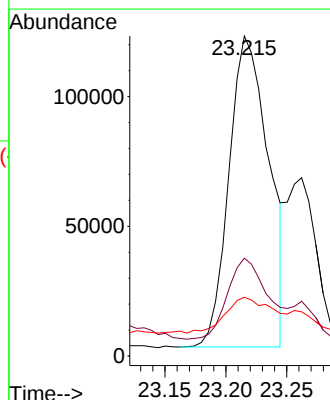
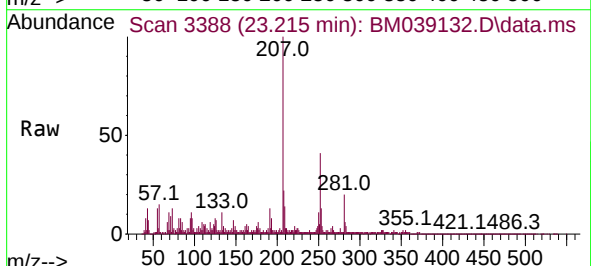
Tgt Ion:252 Resp: 272234

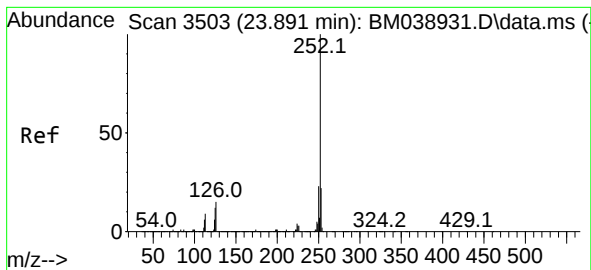
Ion Ratio Lower Upper

252 100

253 30.5 17.6 26.4#

125 18.3 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 2.577 ng

RT: 23.850 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM039132.D

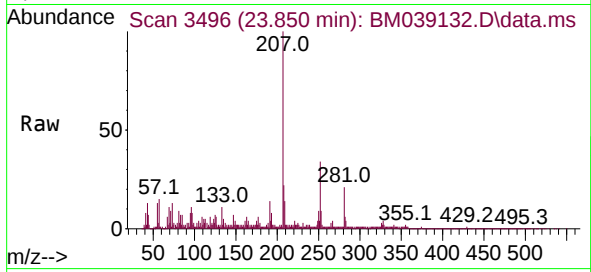
Acq: 24 Mar 2023 01:07

Instrument :

BNA_M

ClientSampleId :

OR-2-032123



Tgt Ion:252 Resp: 200770

Ion Ratio Lower Upper

252 100

253 27.2 17.6 26.4#

125 20.8 9.8 14.8#

