

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039105.D
 Acq On : 22 Mar 2023 23:16
 Operator : CG/JU
 Sample : 02028-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-032123

Quant Time: Mar 23 04:27:45 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)

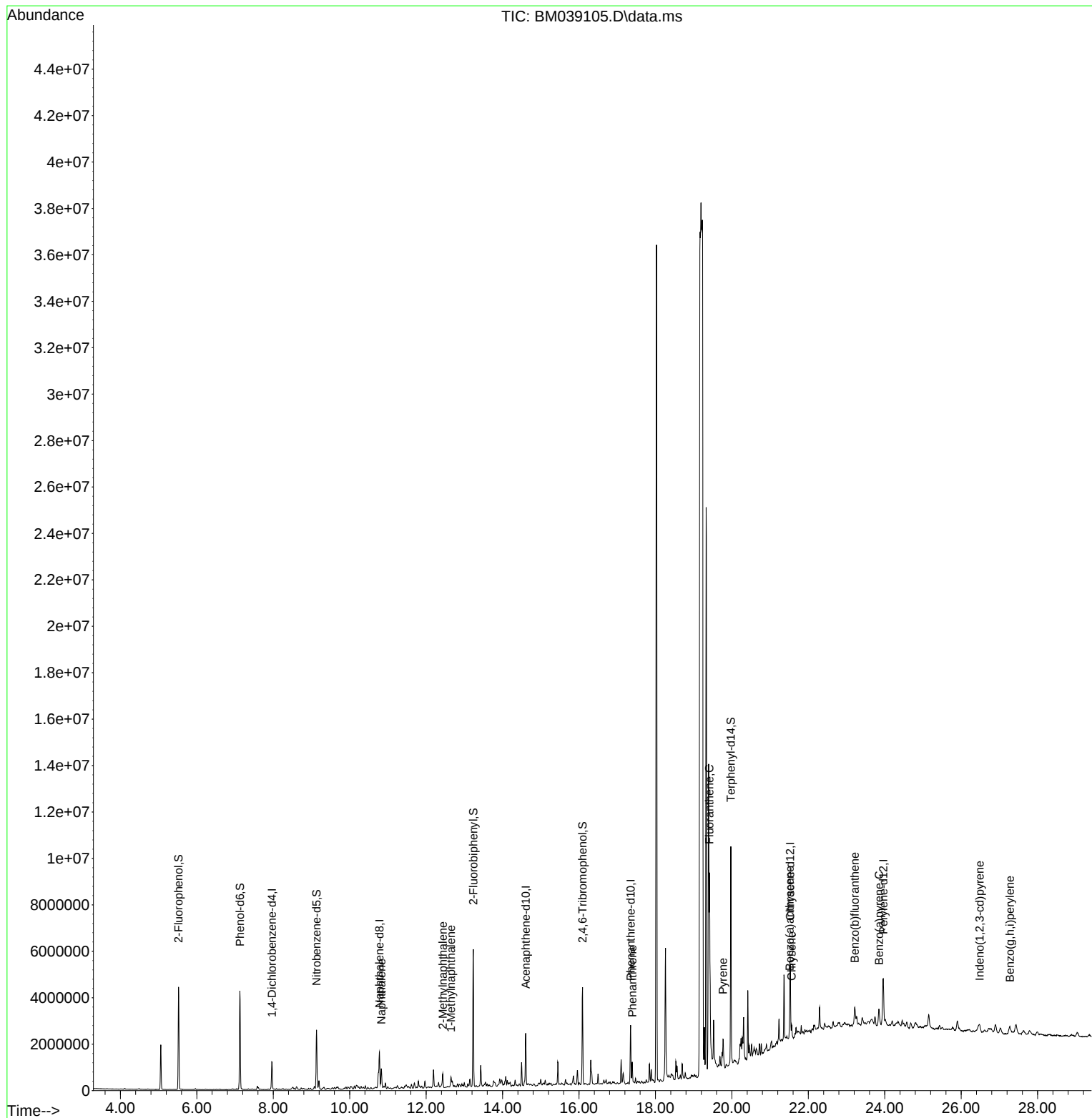
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	326925	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1281088	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	717359	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1440894	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1310036	20.000	ng	0.00
86) Perylene-d12	23.962	264	1489017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1929072	89.648	ng	0.00
7) Phenol-d6	7.128	99	2449740	87.647	ng	0.00
23) Nitrobenzene-d5	9.134	82	1447458	55.500	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	712946	85.911	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	2999074	54.424	ng	0.00
79) Terphenyl-d14	19.974	244	4237533	59.140	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.828	128	649875	8.896	ng	99
37) 2-Methylnaphthalene	12.433	142	283628	5.793	ng	99
38) 1-Methylnaphthalene	12.651	142	201505	4.392	ng	100
71) Phenanthrene	17.392	178	512784	6.064	ng	99
75) Fluoranthene	19.409	202	486407	5.448	ng	89
78) Pyrene	19.768	202	684314	6.955	ng	100
81) Benzo(a)anthracene	21.509	228	334847	3.549	ng	# 92
83) Chrysene	21.562	228	352369	3.840	ng	95
87) Indeno(1,2,3-cd)pyrene	26.485	276	295014	2.604	ng	95
88) Benzo(b)fluoranthene	23.215	252	527422	5.544	ng	# 86
90) Benzo(a)pyrene	23.850	252	396266	4.328	ng	# 88
92) Benzo(g,h,i)perylene	27.274	276	345767	3.683	ng	98

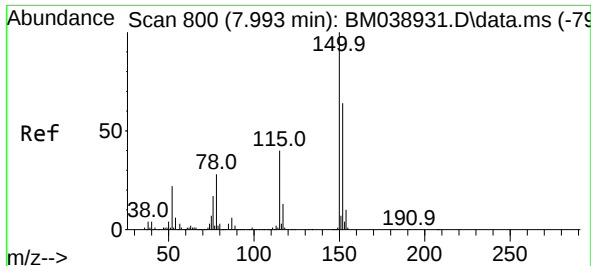
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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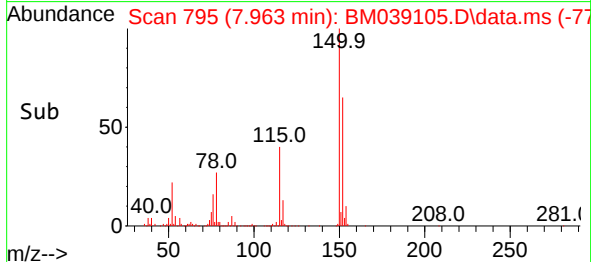
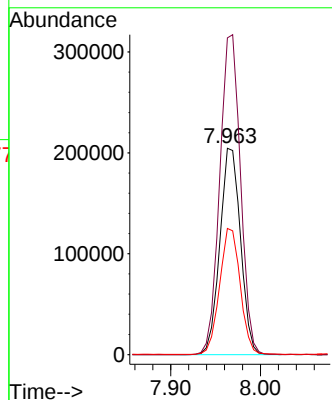
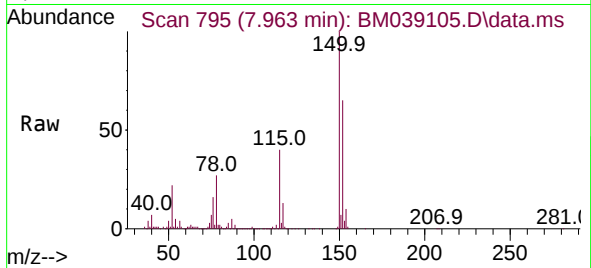




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

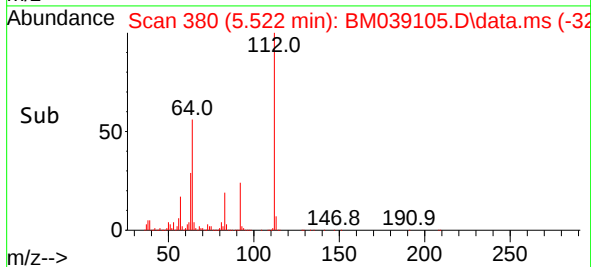
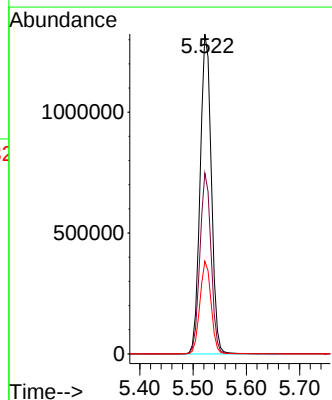
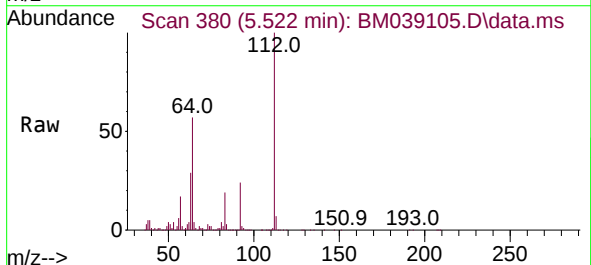
Instrument :
BNA_M
ClientSampleId :
TR-05-032123

Tgt Ion:152 Resp: 326925
Ion Ratio Lower Upper
152 100
150 153.5 125.1 187.7
115 61.2 49.6 74.4



#5
2-Fluorophenol
Concen: 89.648 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion:112 Resp: 1929072
Ion Ratio Lower Upper
112 100
64 56.5 45.9 68.9
63 28.9 23.8 35.8

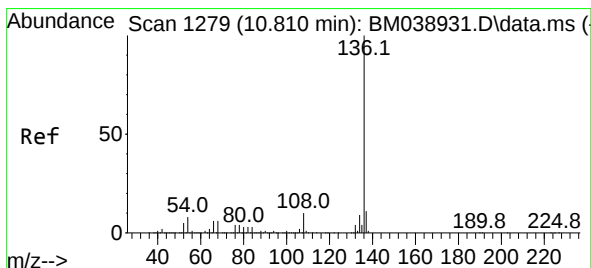
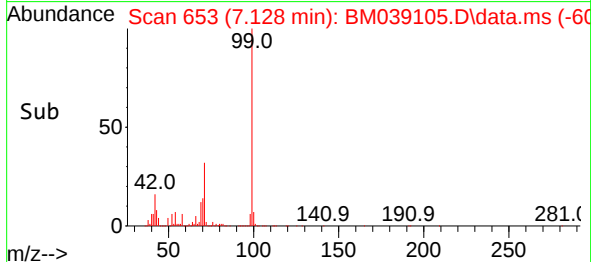
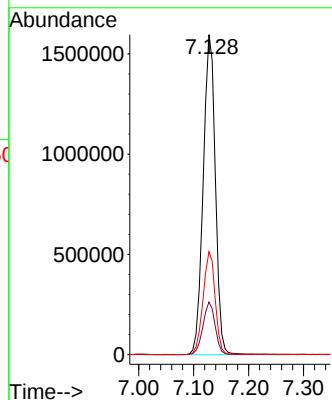
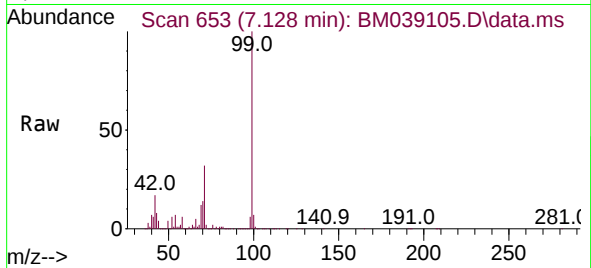




#7
Phenol-d6
Concen: 87.647 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

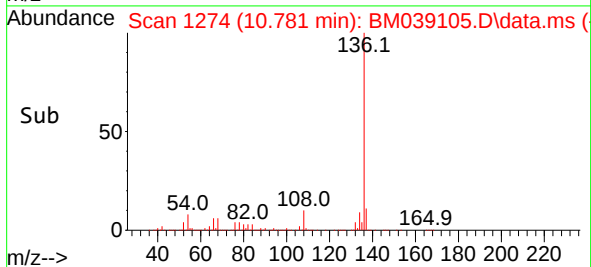
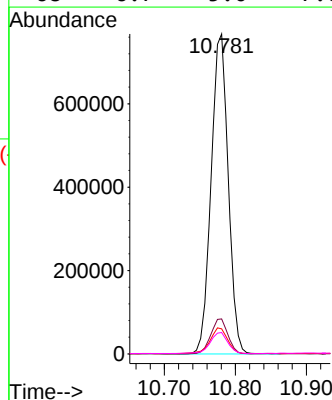
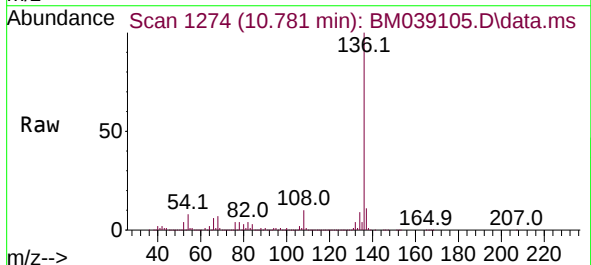
Instrument :
BNA_M
ClientSampleId :
TR-05-032123

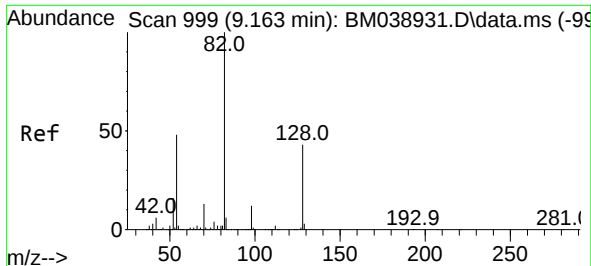
Tgt Ion: 99 Resp: 2449740
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 32.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion: 136 Resp: 1281088
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 6.3 9.5
68 6.7 5.0 7.6

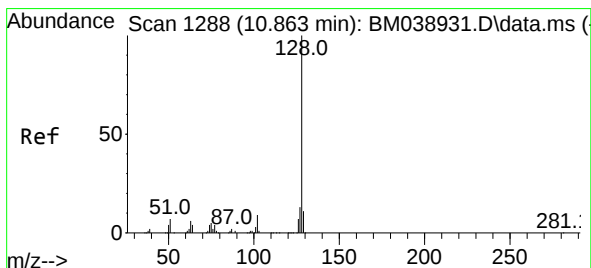
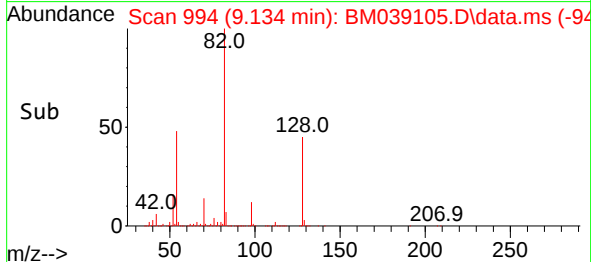
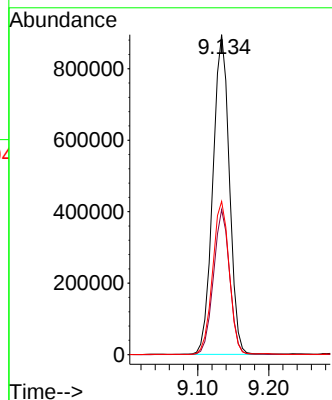
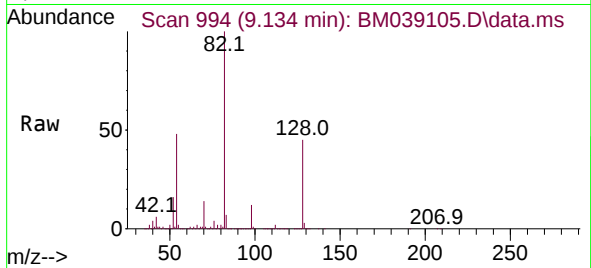




#23
Nitrobenzene-d5
Concen: 55.500 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

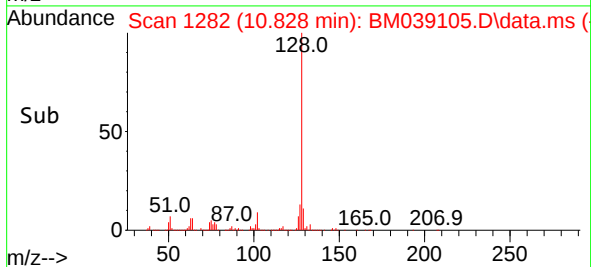
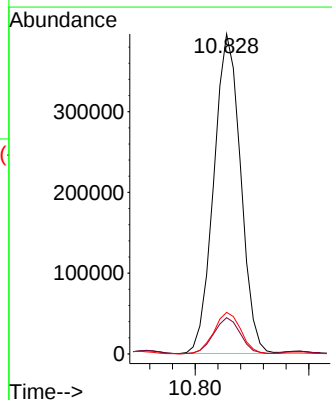
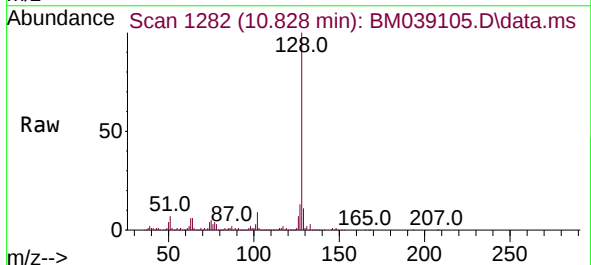
Instrument :
BNA_M
ClientSampleId :
TR-05-032123

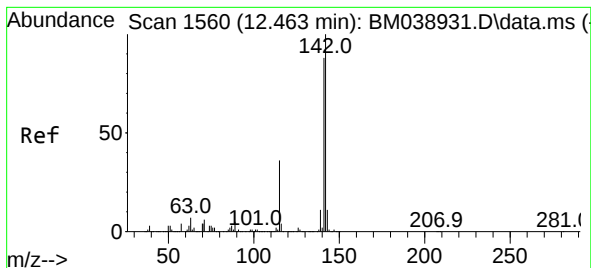
Tgt Ion: 82 Resp: 1447458
Ion Ratio Lower Upper
82 100
128 45.3 34.4 51.6
54 47.9 38.8 58.2



#31
Naphthalene
Concen: 8.896 ng
RT: 10.828 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion: 128 Resp: 649875
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.0 10.2 15.4





#37

2-Methylnaphthalene

Concen: 5.793 ng

RT: 12.433 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

Instrument :

BNA_M

ClientSampleId :

TR-05-032123

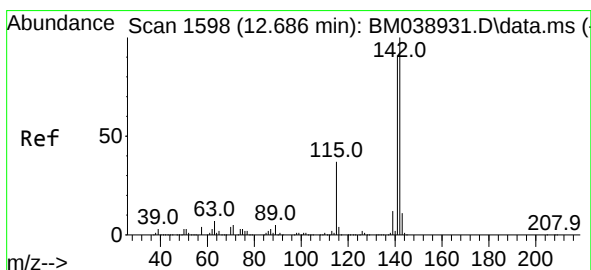
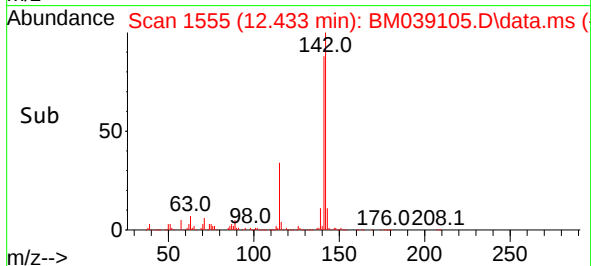
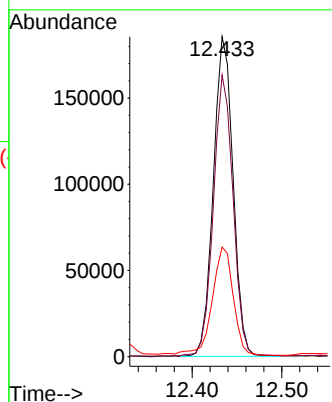
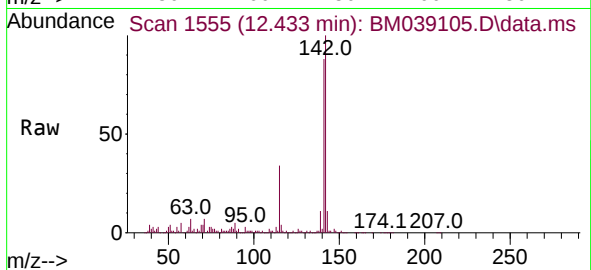
Tgt Ion:142 Resp: 283628

Ion Ratio Lower Upper

142 100

141 88.0 70.6 106.0

115 34.2 28.5 42.7



#38

1-Methylnaphthalene

Concen: 4.392 ng

RT: 12.651 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

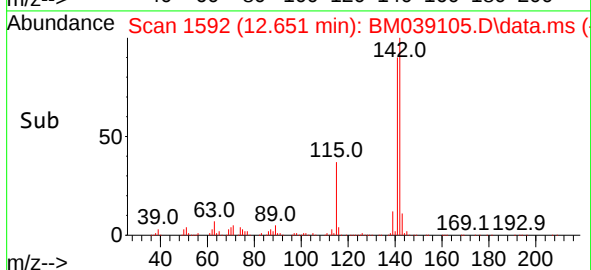
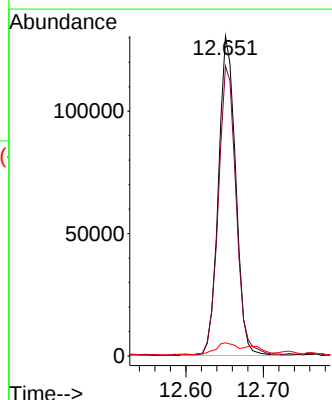
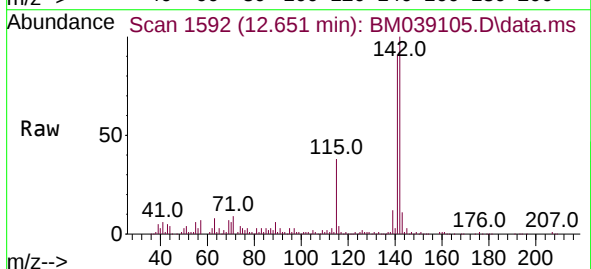
Tgt Ion:142 Resp: 201505

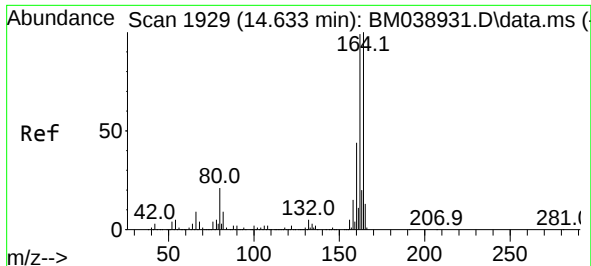
Ion Ratio Lower Upper

142 100

141 90.6 72.8 109.2

116 4.1 3.0 4.4

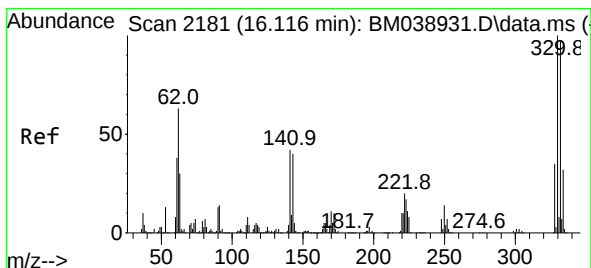
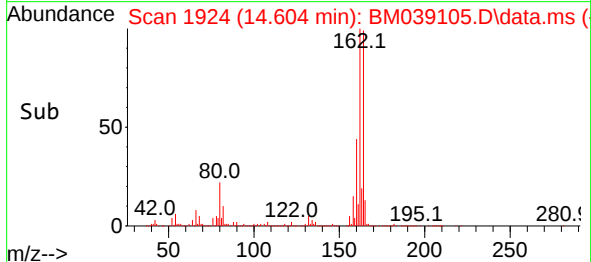
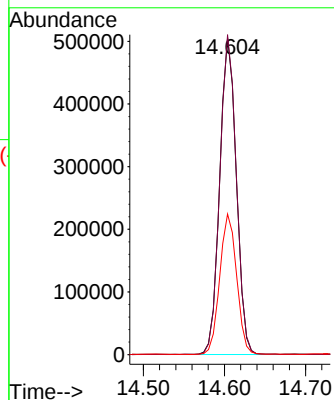
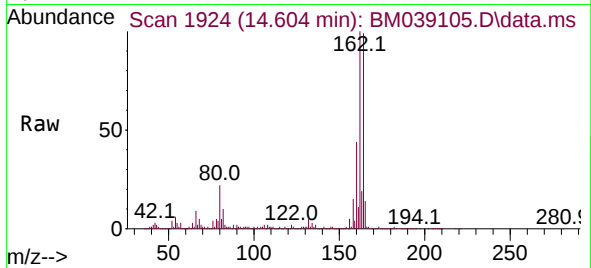




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

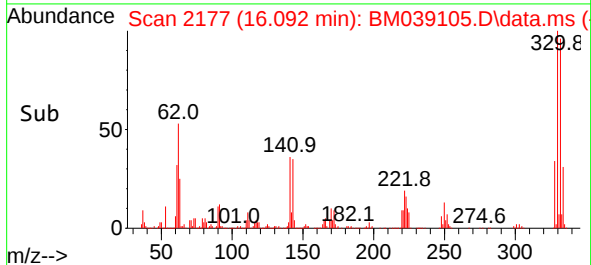
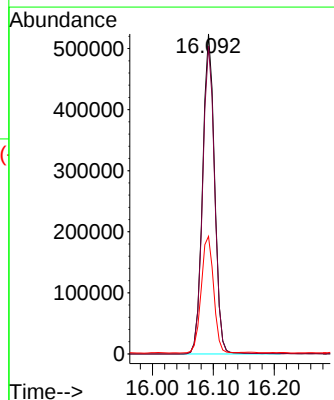
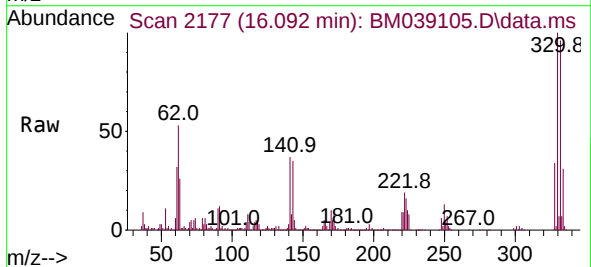
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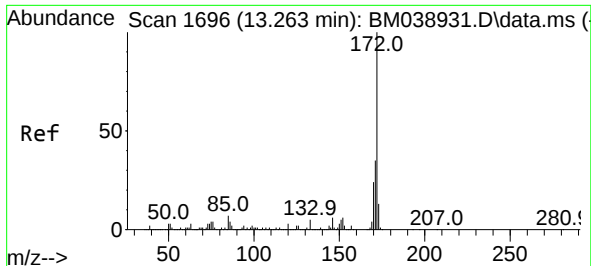
Tgt Ion:164 Resp: 717359
Ion Ratio Lower Upper
164 100
162 101.0 79.2 118.8
160 44.4 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 85.911 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion:330 Resp: 712946
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 38.0 32.2 48.4

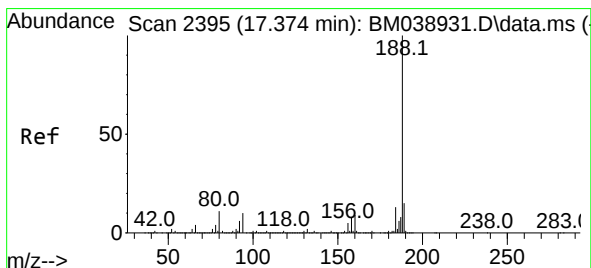
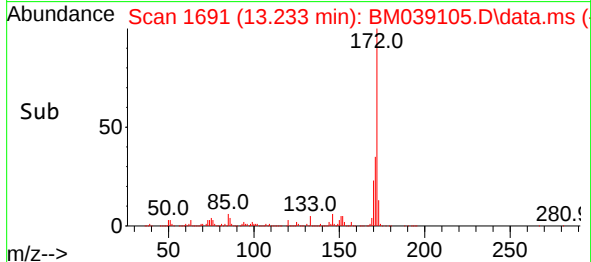
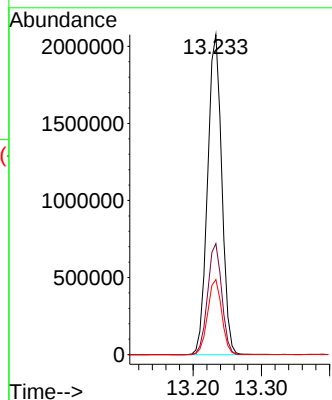
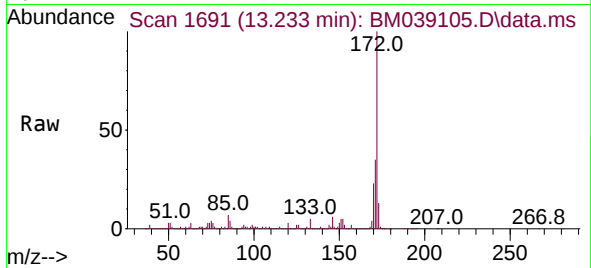




#45
2-Fluorobiphenyl
Concen: 54.424 ng
RT: 13.233 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

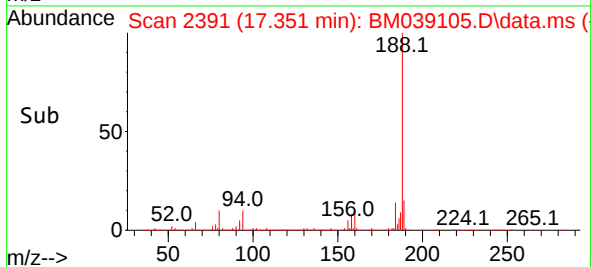
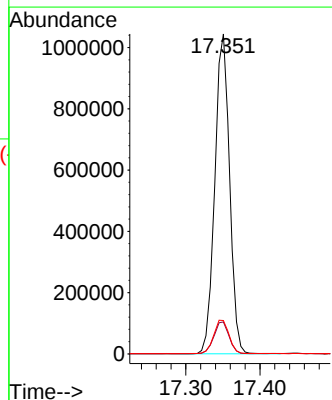
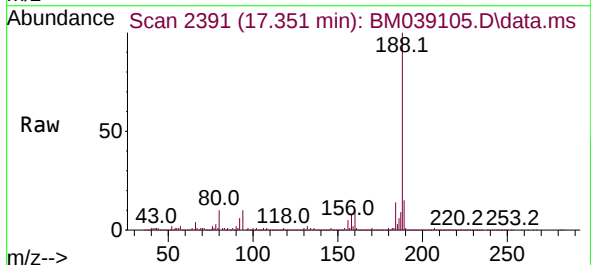
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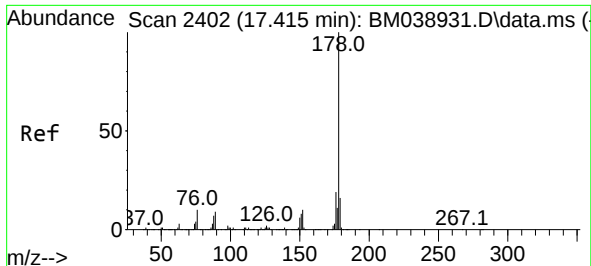
Tgt Ion:172 Resp: 2999074
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.4 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion:188 Resp: 1440894
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.4 8.5 12.7

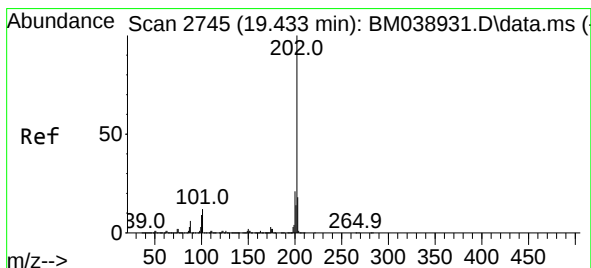
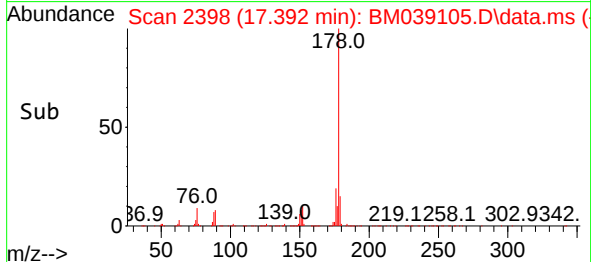
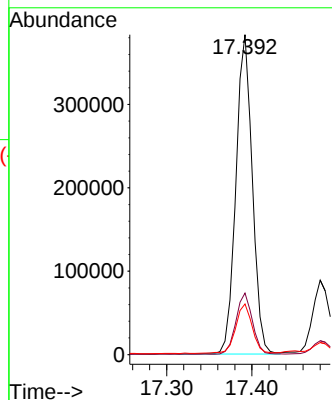
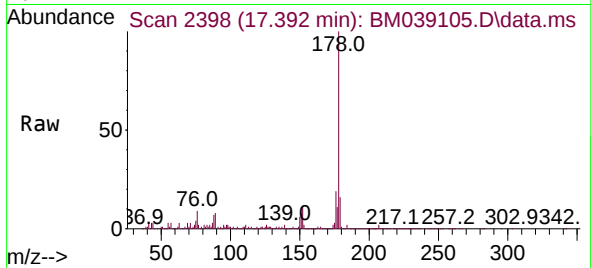




#71
Phenanthrene
Concen: 6.064 ng
RT: 17.392 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

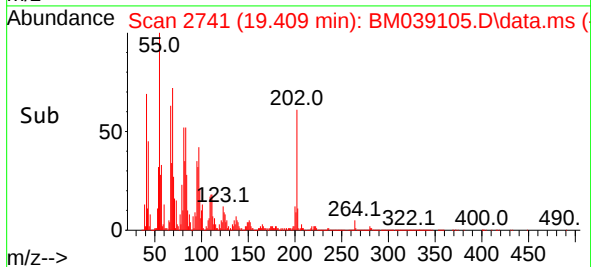
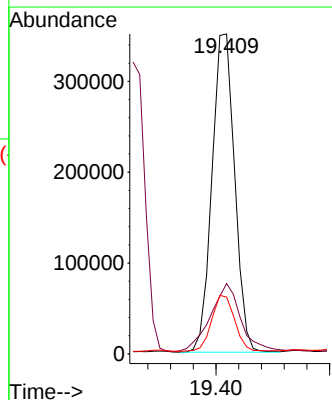
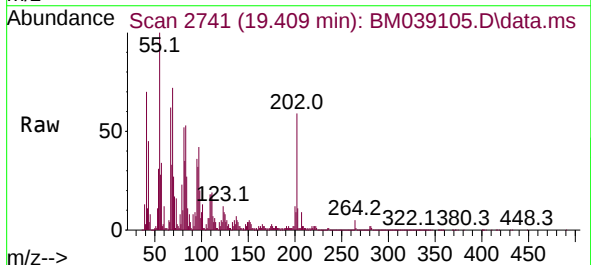
Instrument :
BNA_M
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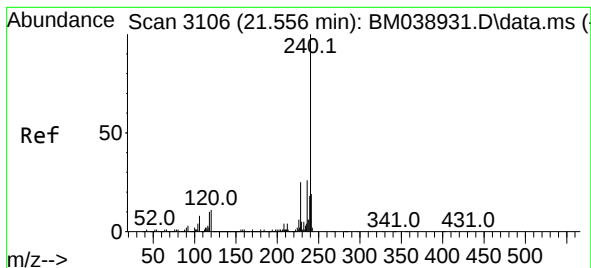
Tgt Ion:178 Resp: 512784
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.8 12.5 18.7



#75
Fluoranthene
Concen: 5.448 ng
RT: 19.409 min Scan# 2741
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion:202 Resp: 486407
Ion Ratio Lower Upper
202 100
101 22.0 0.0 31.7
203 17.8 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: BM039105.D

Acq: 22 Mar 2023 23:16

Instrument :

BNA_M

ClientSampleId :

TR-05-032123

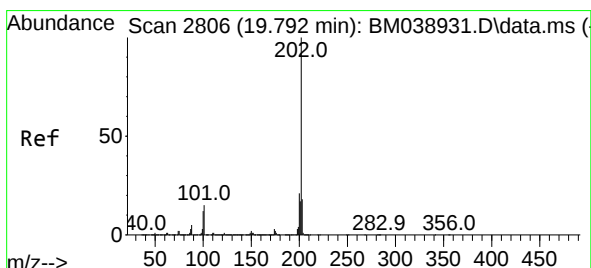
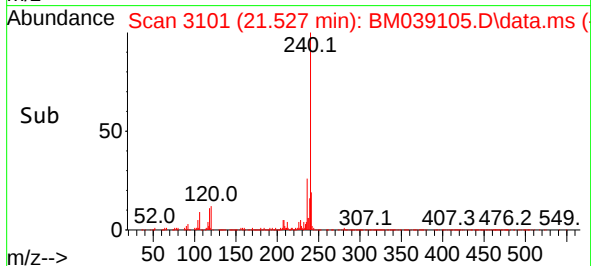
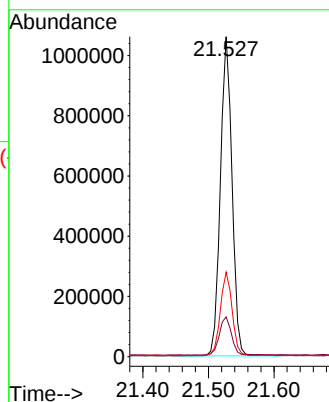
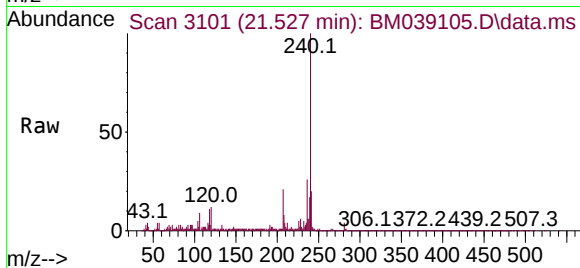
Tgt Ion:240 Resp: 1310036

Ion Ratio Lower Upper

240 100

120 12.4 9.2 13.8

236 26.4 20.8 31.2



#78

Pyrene

Concen: 6.955 ng

RT: 19.768 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

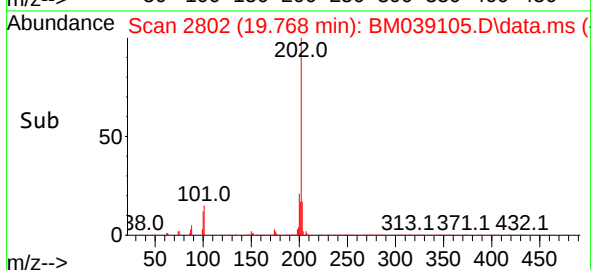
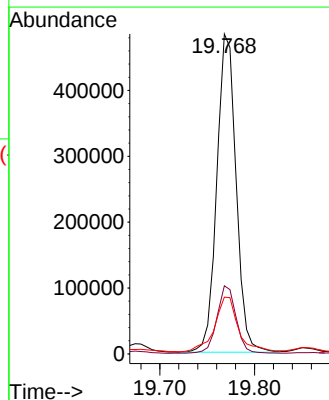
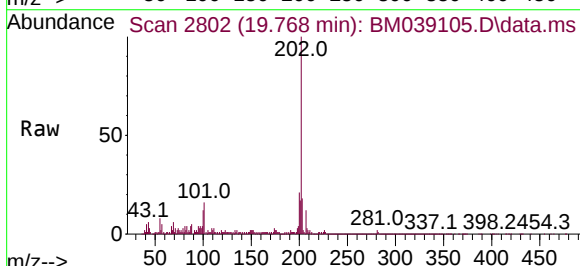
Tgt Ion:202 Resp: 684314

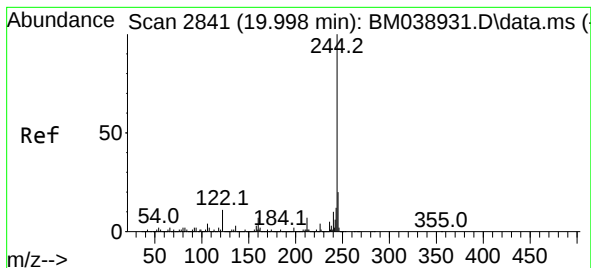
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 59.140 ng

RT: 19.974 min Scan# 2841

Delta R.T. 0.006 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

Instrument :

BNA_M

ClientSampleId :

TR-05-032123

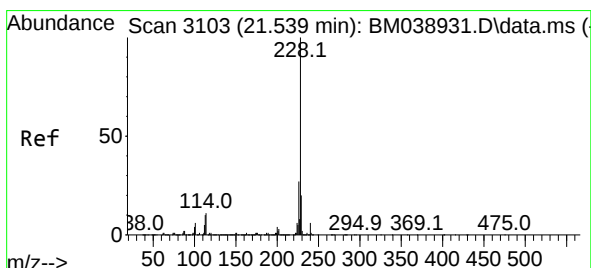
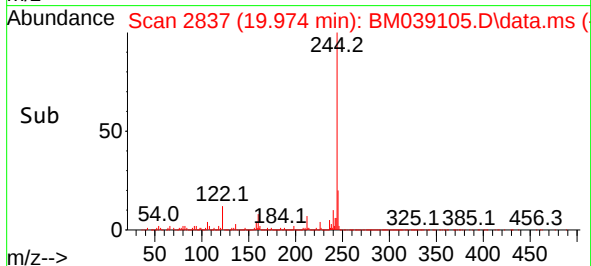
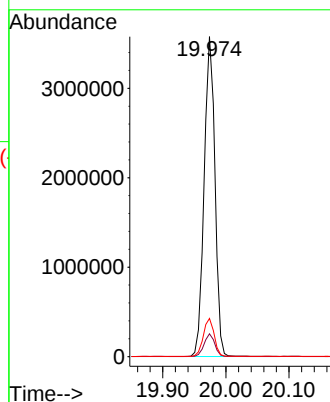
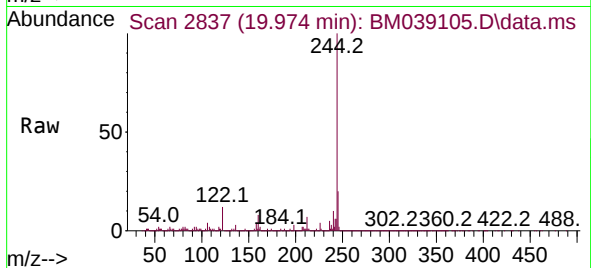
Tgt Ion:244 Resp: 4237533

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 11.9 9.0 13.4



#81

Benzo(a)anthracene

Concen: 3.549 ng

RT: 21.509 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

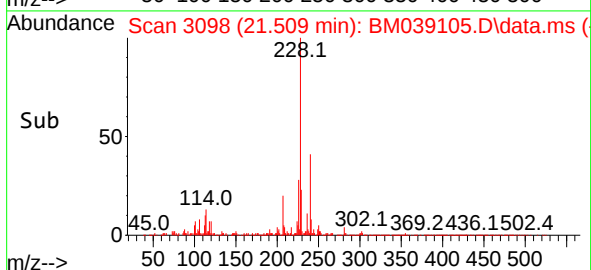
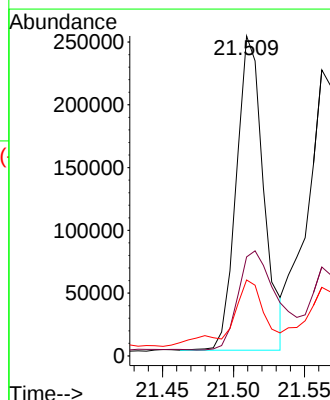
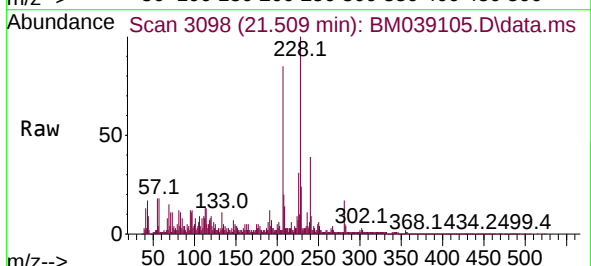
Tgt Ion:228 Resp: 334847

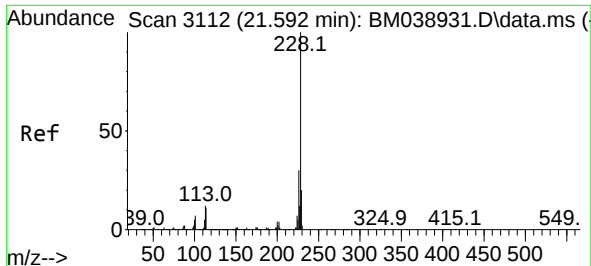
Ion Ratio Lower Upper

228 100

226 30.9 21.4 32.2

229 23.7 15.7 23.5#

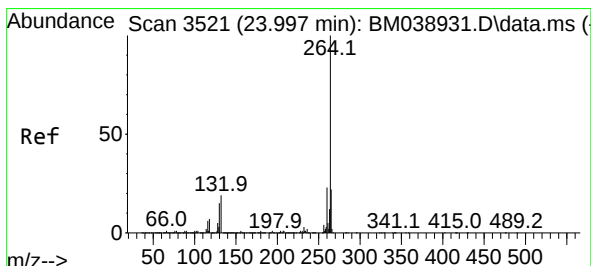
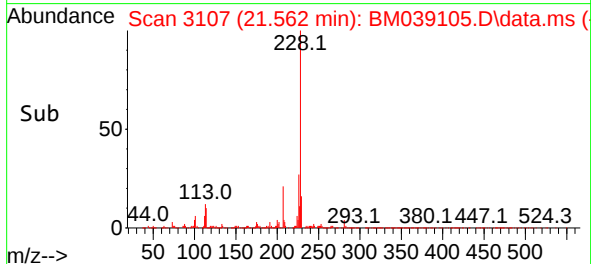
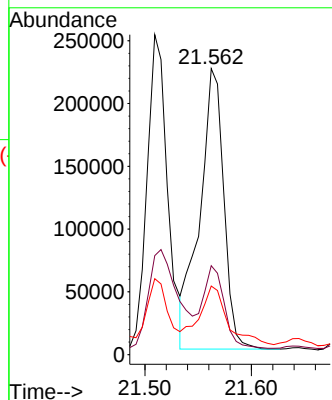
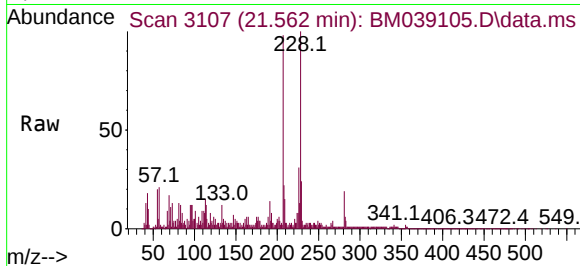




#83
Chrysene
Concen: 3.840 ng
RT: 21.562 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

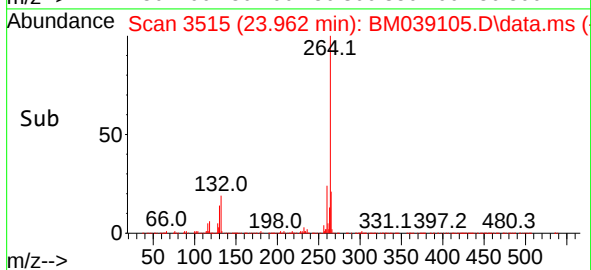
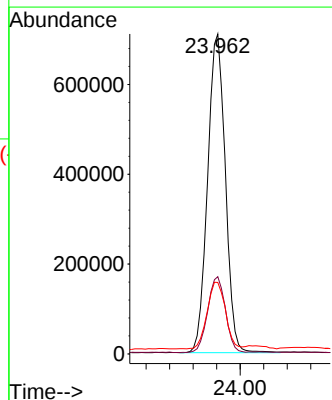
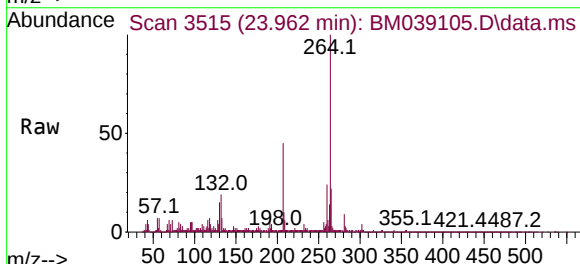
Instrument :
BNA_M
ClientSampleId :
TR-05-032123

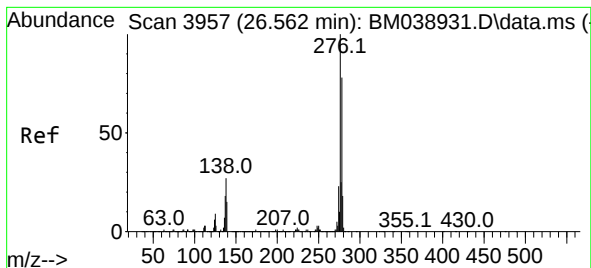
Tgt Ion:228 Resp: 352369
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 24.0 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM039105.D
Acq: 22 Mar 2023 23:16

Tgt Ion:264 Resp: 1489017
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.3 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.604 ng

RT: 26.485 min Scan# 3957

Delta R.T. -0.012 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

Instrument :

BNA_M

ClientSampleId :

TR-05-032123

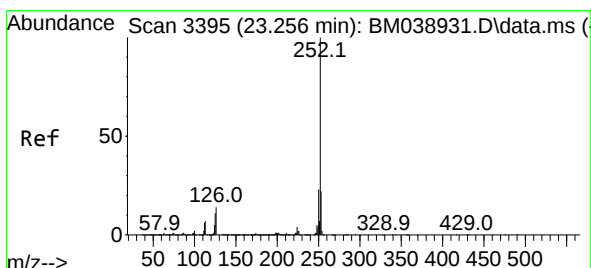
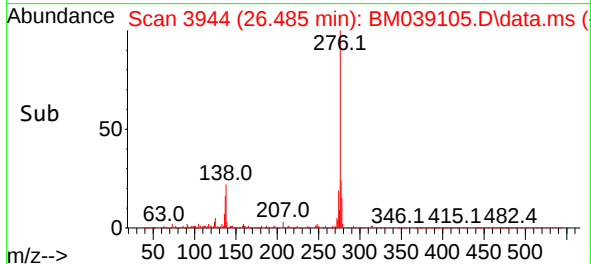
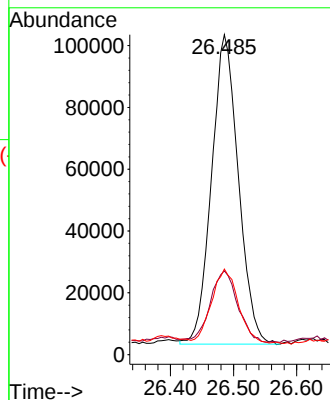
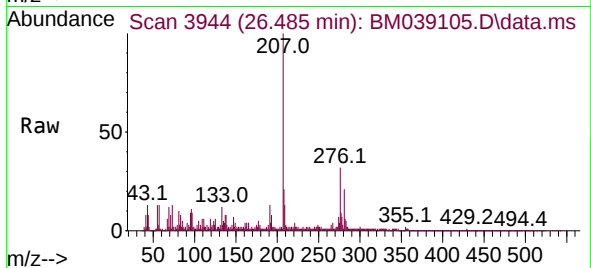
Tgt Ion:276 Resp: 295014

Ion Ratio Lower Upper

276 100

138 23.9 22.1 33.1

277 23.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 5.544 ng

RT: 23.215 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

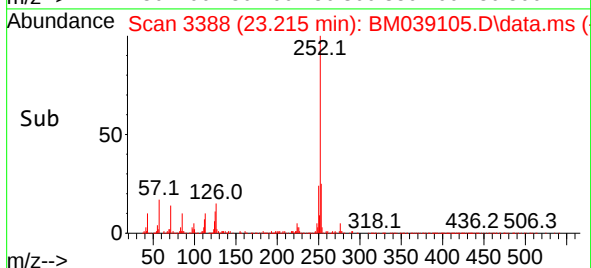
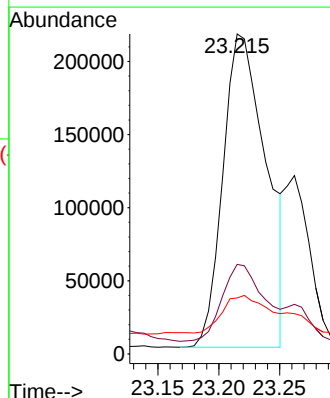
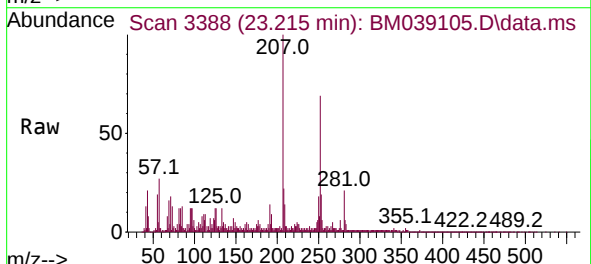
Tgt Ion:252 Resp: 527422

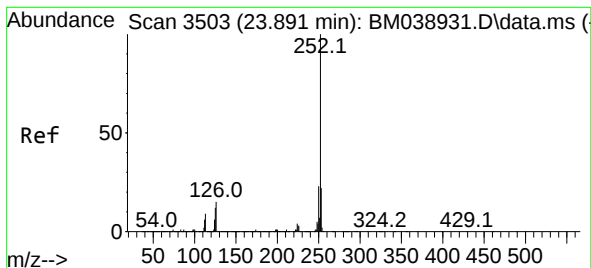
Ion Ratio Lower Upper

252 100

253 28.0 17.6 26.4#

125 17.5 8.8 13.2#





#90

Benzo(a)pyrene

Concen: 4.328 ng

RT: 23.850 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

Instrument :

BNA_M

ClientSampleId :

TR-05-032123

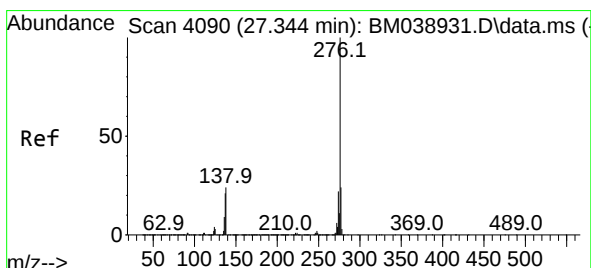
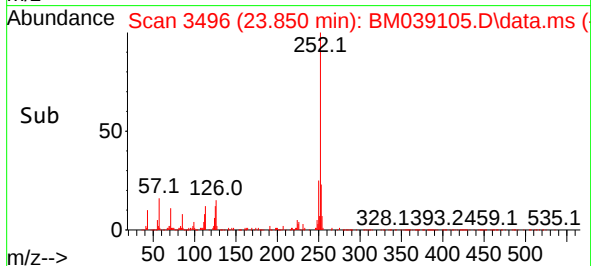
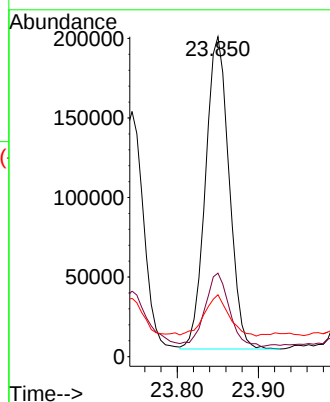
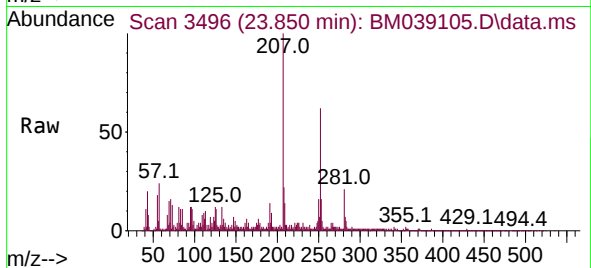
Tgt Ion:252 Resp: 396266

Ion Ratio Lower Upper

252 100

253 26.1 17.6 26.4

125 19.3 9.8 14.8#



#92

Benzo(g,h,i)perylene

Concen: 3.683 ng

RT: 27.274 min Scan# 4078

Delta R.T. 0.000 min

Lab File: BM039105.D

Acq: 22 Mar 2023 23:16

Tgt Ion:276 Resp: 345767

Ion Ratio Lower Upper

276 100

277 23.9 19.3 28.9

138 25.9 19.0 28.6

