

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033123\
 Data File : BM039271.D
 Acq On : 01 Apr 2023 02:10
 Operator : CG/JU
 Sample : 02133-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-033023

Quant Time: Apr 01 05:24:43 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)

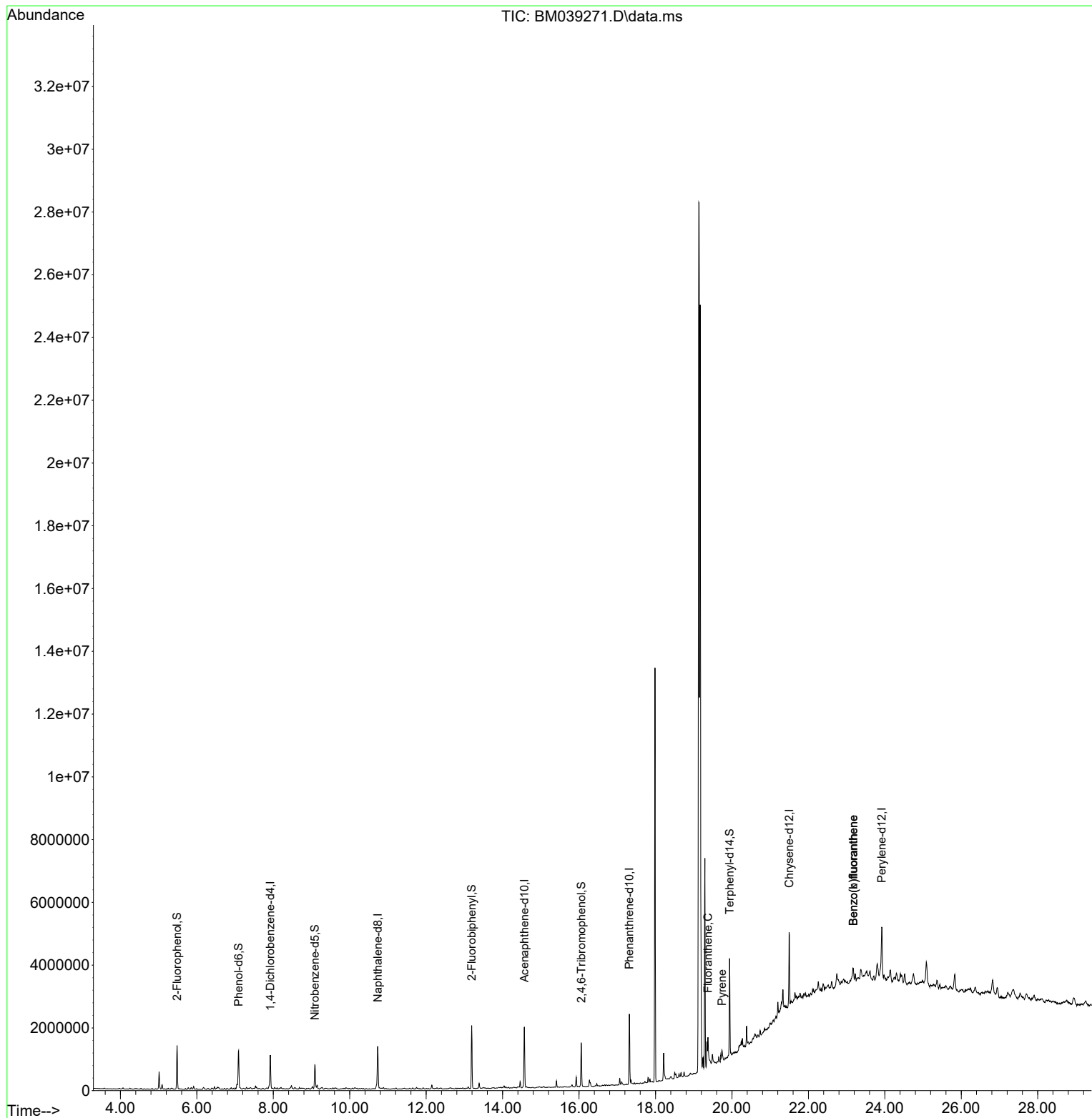
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	284645	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	1121456	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	641207	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1300090	20.000	ng	0.00
76) Chrysene-d12	21.497	240	1110980	20.000	ng	0.00
86) Perylene-d12	23.921	264	1239321	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	579218	30.658	ng	0.00
7) Phenol-d6	7.093	99	747558	30.591	ng	0.00
23) Nitrobenzene-d5	9.087	82	459972	19.935	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	242801	29.830	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	1010364	21.350	ng	0.00
79) Terphenyl-d14	19.939	244	1423358	23.670	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.374	202	163640	2.016	ng	95
78) Pyrene	19.739	202	165582	2.094	ng	97
88) Benzo(b)fluoranthene	23.180	252	172447	2.274	ng	# 27
89) Benzo(k)fluoranthene	23.180	252	172447	2.233	ng	# 27

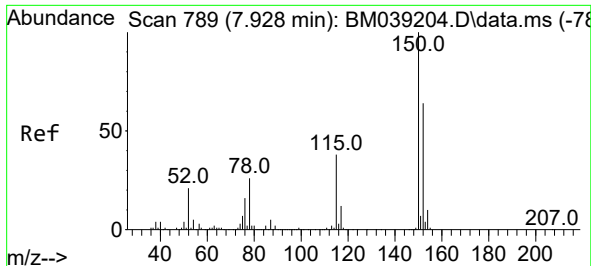
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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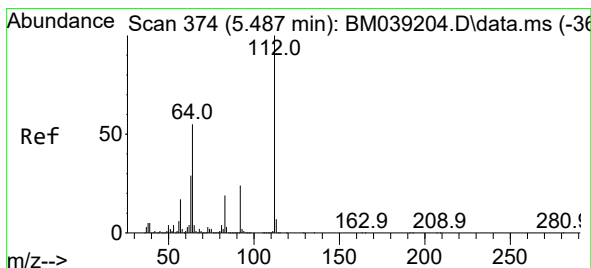
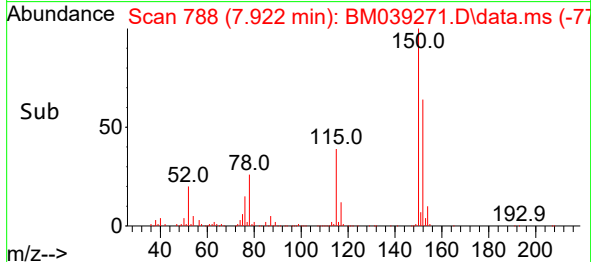
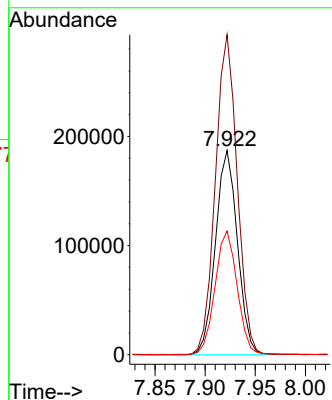
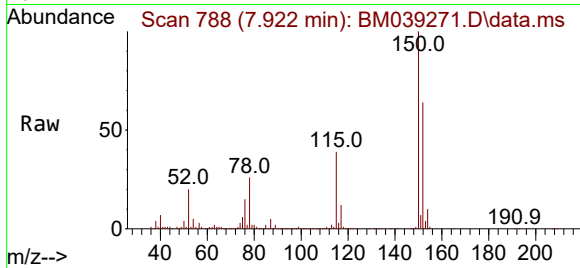




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 71
Delta R.T. 0.006 min
Lab File: BM039271.D
Acq: 01 Apr 2023 02:10

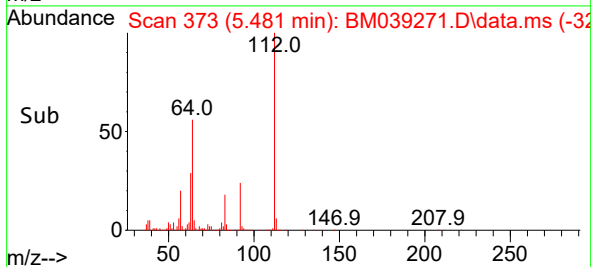
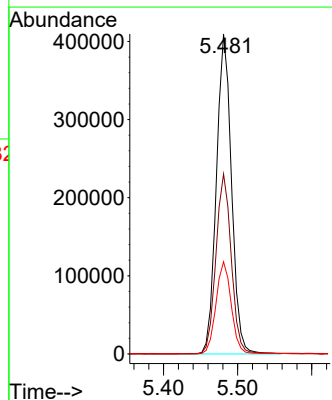
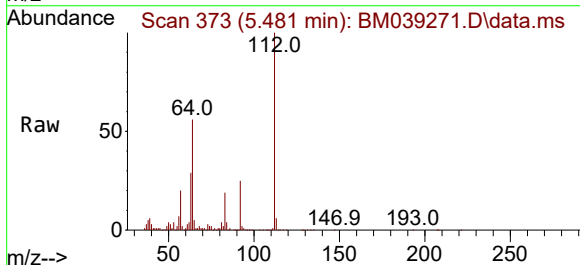
Instrument :
BNA_M
ClientSampleId :
HD-02-033023

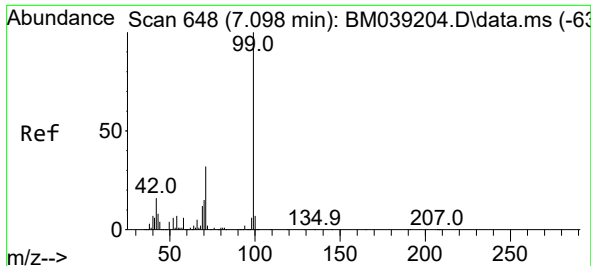
Tgt Ion:152 Resp: 284645
Ion Ratio Lower Upper
152 100
150 156.7 125.5 188.3
115 60.6 48.1 72.1



#5
2-Fluorophenol
Concen: 30.658 ng
RT: 5.481 min Scan# 373
Delta R.T. 0.006 min
Lab File: BM039271.D
Acq: 01 Apr 2023 02:10

Tgt Ion:112 Resp: 579218
Ion Ratio Lower Upper
112 100
64 56.3 44.3 66.5
63 28.8 23.0 34.6

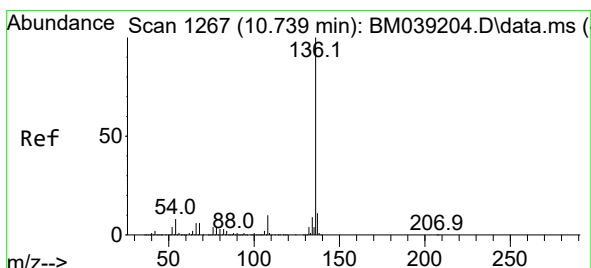
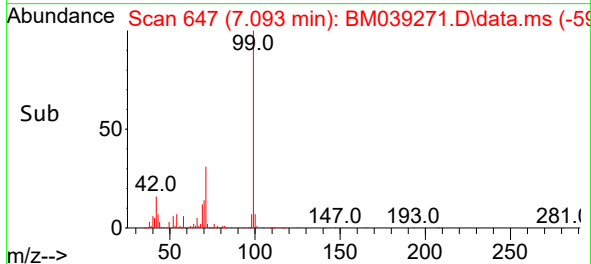
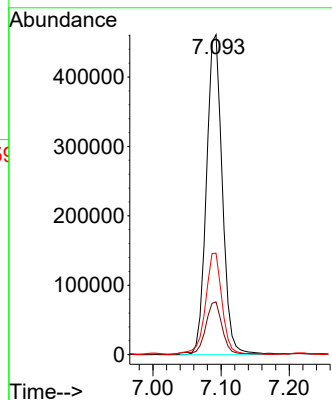
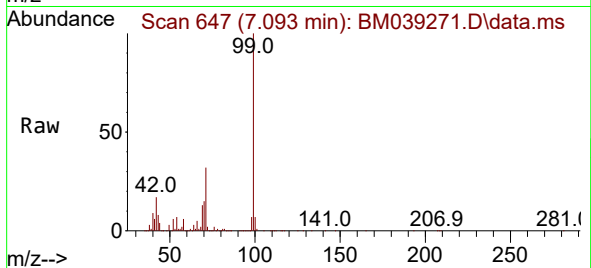




#7
Phenol-d6
Concen: 30.591 ng
RT: 7.093 min Scan# 647
Delta R.T. 0.006 min
Lab File: BM039271.D
Acq: 01 Apr 2023 02:10

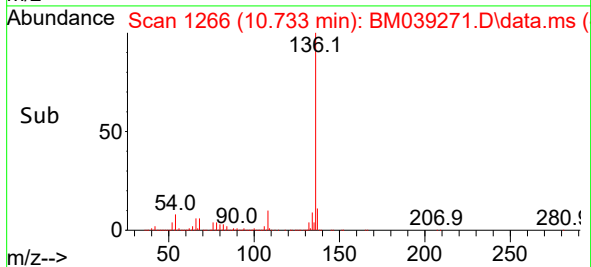
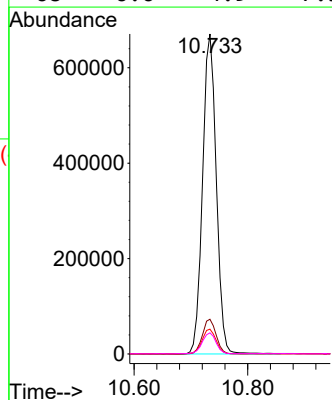
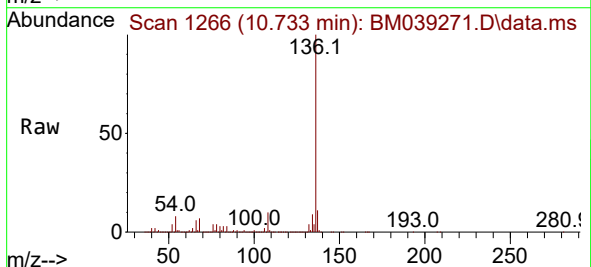
Instrument :
BNA_M
ClientSampleId :
HD-02-033023

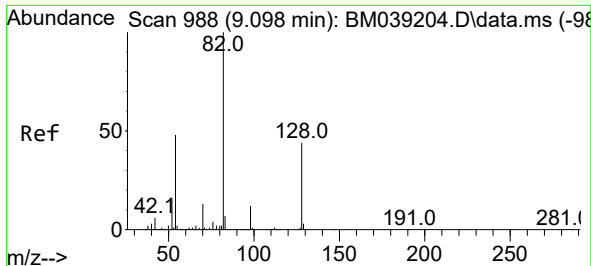
Tgt Ion: 99 Resp: 747558
Ion Ratio Lower Upper
99 100
42 16.5 13.0 19.6
71 31.7 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BM039271.D
Acq: 01 Apr 2023 02:10

Tgt Ion: 136 Resp: 1121456
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.2 9.4
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 19.935 ng

RT: 9.087 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

Instrument :

BNA_M

ClientSampleId :

HD-02-033023

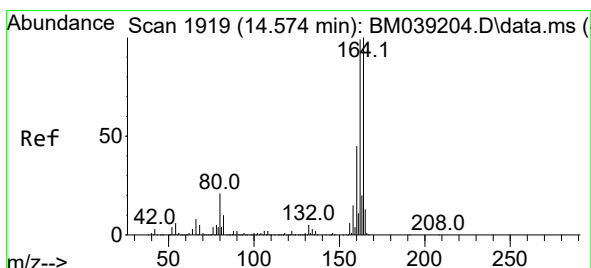
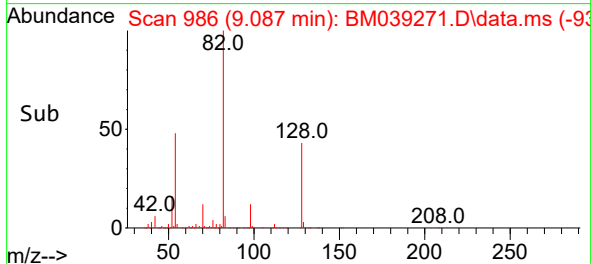
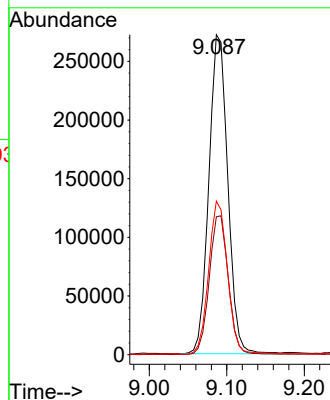
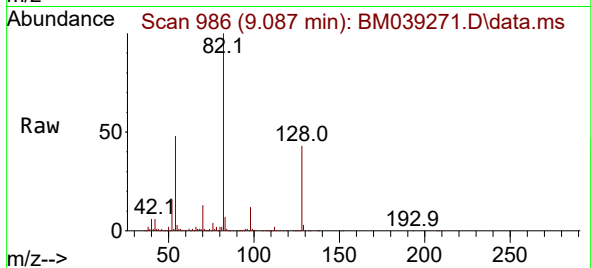
Tgt Ion: 82 Resp: 459972

Ion Ratio Lower Upper

82 100

128 43.1 35.1 52.7

54 48.0 38.5 57.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1918

Delta R.T. 0.006 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

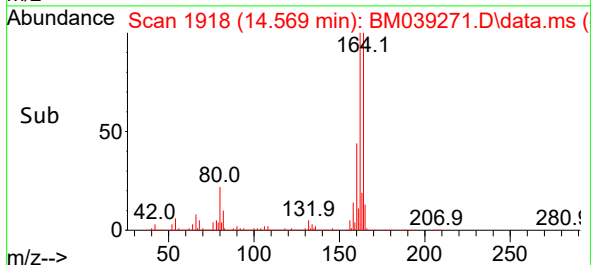
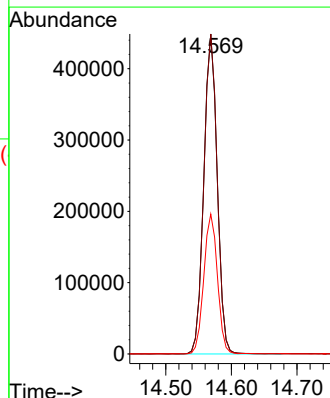
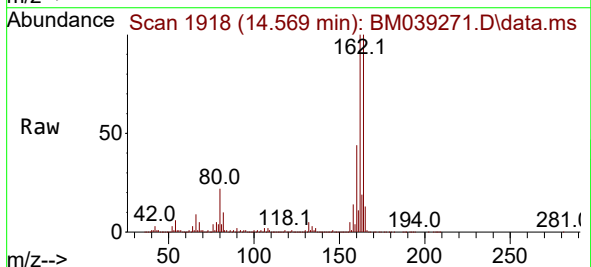
Tgt Ion: 164 Resp: 641207

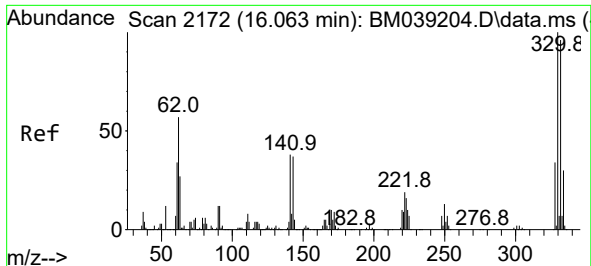
Ion Ratio Lower Upper

164 100

162 99.9 79.1 118.7

160 43.7 35.8 53.8

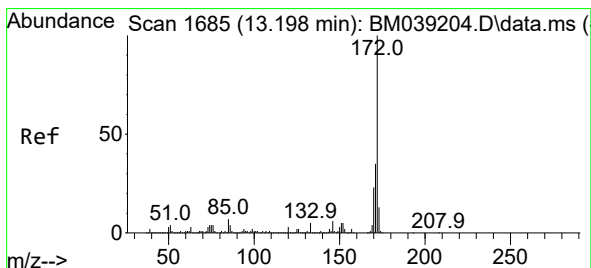
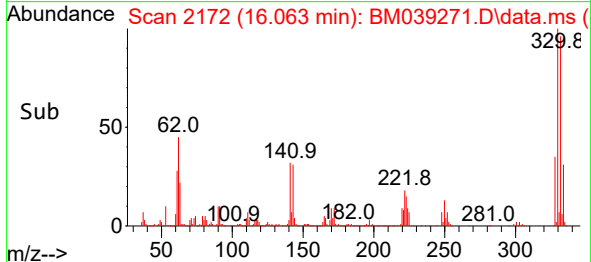
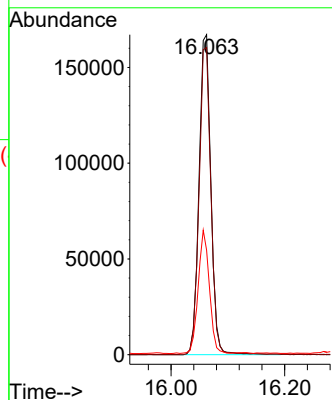
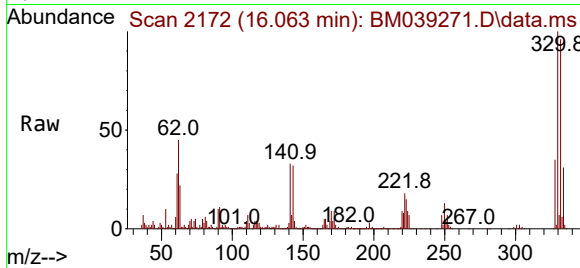




#42
2,4,6-Tribromophenol
Concen: 29.830 ng
RT: 16.063 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BM039271.D
Acq: 01 Apr 2023 02:10

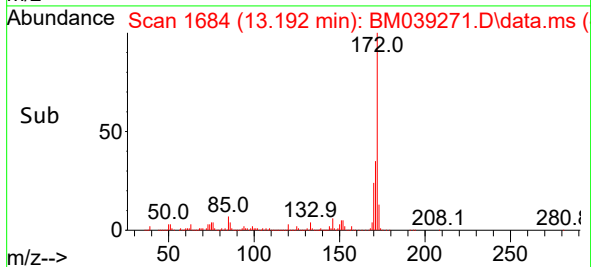
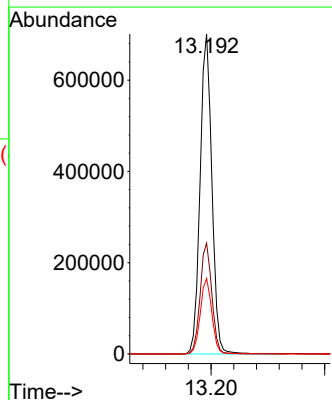
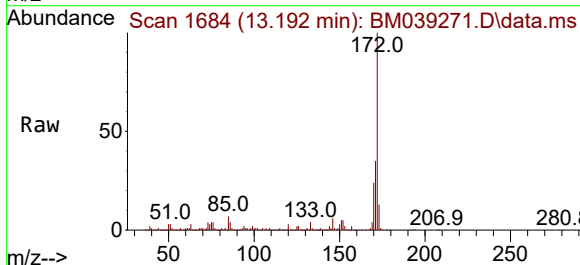
Instrument :
BNA_M
ClientSampleId :
HD-02-033023

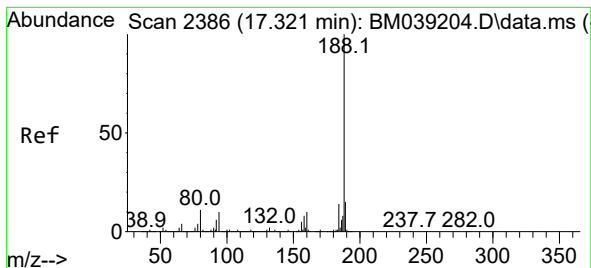
Tgt Ion:330 Resp: 242801
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 36.5 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 21.350 ng
RT: 13.192 min Scan# 1684
Delta R.T. 0.006 min
Lab File: BM039271.D
Acq: 01 Apr 2023 02:10

Tgt Ion:172 Resp: 1010364
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.6 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

Instrument :

BNA_M

ClientSampleId :

HD-02-033023

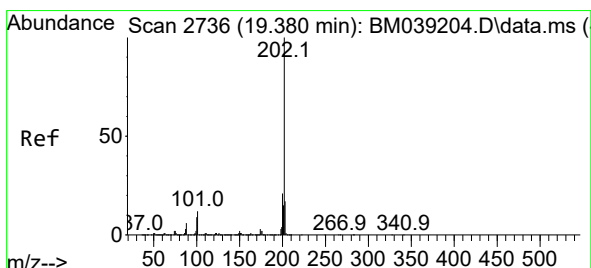
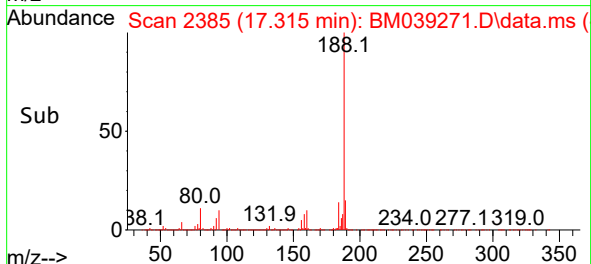
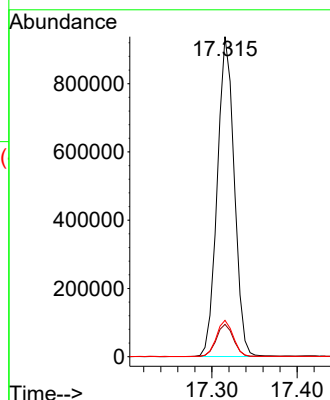
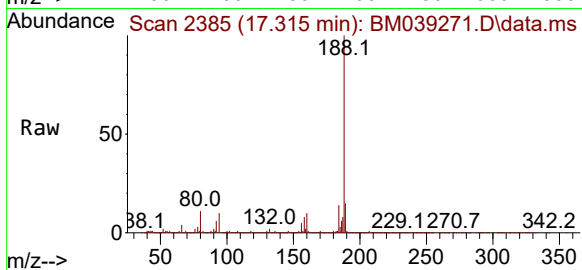
Tgt Ion:188 Resp: 1300090

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.4

80 11.4 8.9 13.3



#75

Fluoranthene

Concen: 2.016 ng

RT: 19.374 min Scan# 2735

Delta R.T. 0.006 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

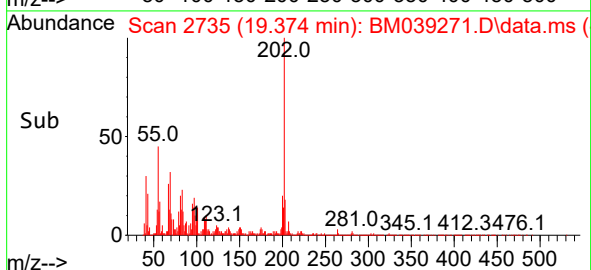
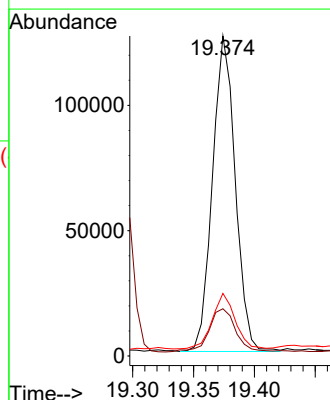
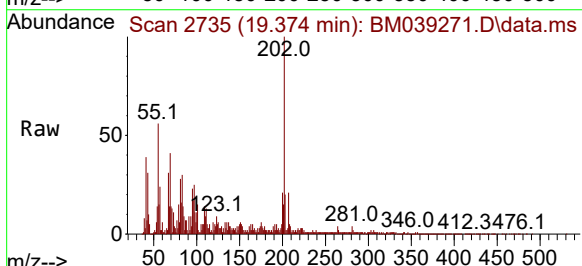
Tgt Ion:202 Resp: 163640

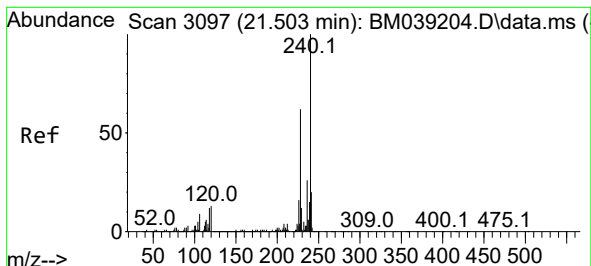
Ion Ratio Lower Upper

202 100

101 14.7 0.0 32.5

203 19.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.497 min Scan# 3097

Delta R.T. -0.000 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

Instrument :

BNA_M

ClientSampleId :

HD-02-033023

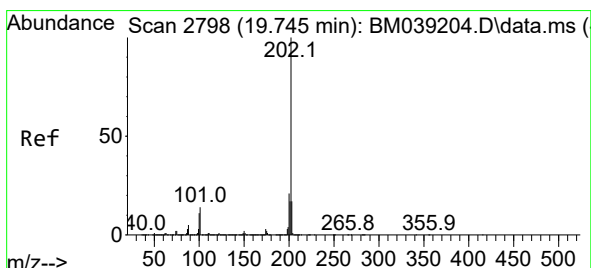
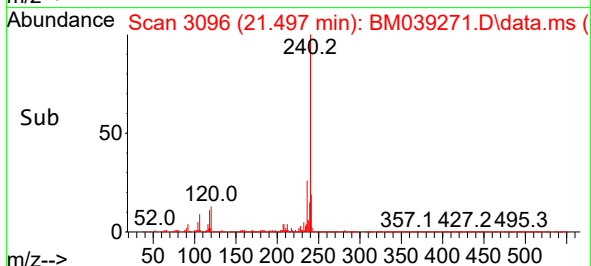
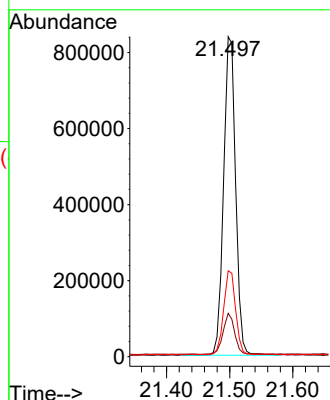
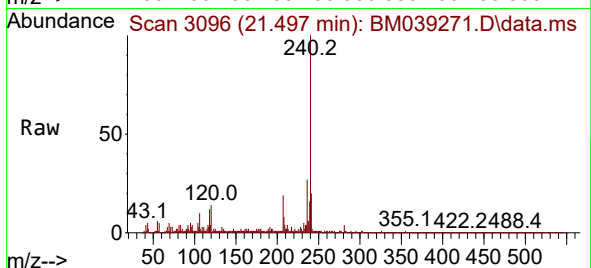
Tgt Ion:240 Resp: 1110980

Ion Ratio Lower Upper

240 100

120 13.5 10.2 15.2

236 26.9 20.9 31.3



#78

Pyrene

Concen: 2.094 ng

RT: 19.739 min Scan# 2797

Delta R.T. 0.006 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

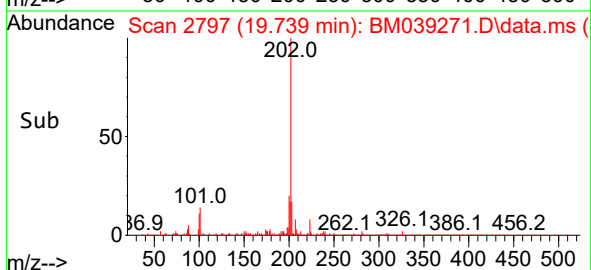
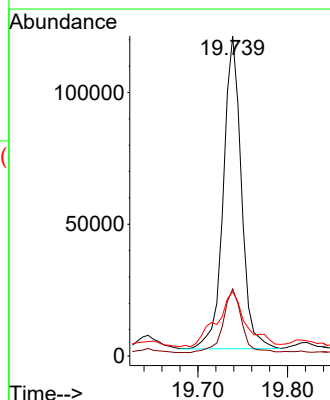
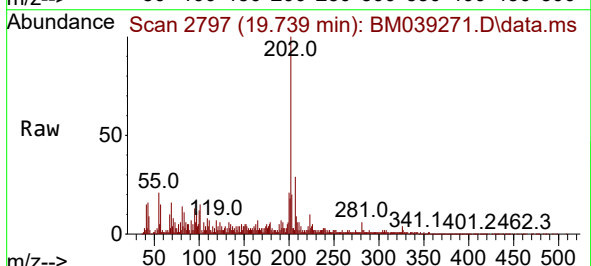
Tgt Ion:202 Resp: 165582

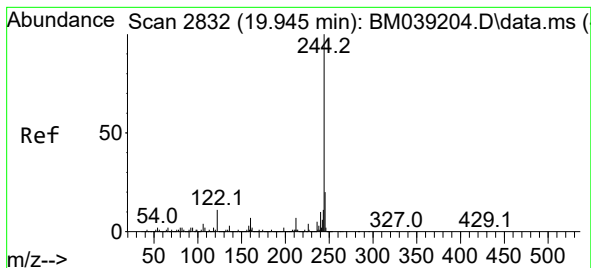
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 20.1 13.9 20.9





#79

Terphenyl-d14

Concen: 23.670 ng

RT: 19.939 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM039271.D

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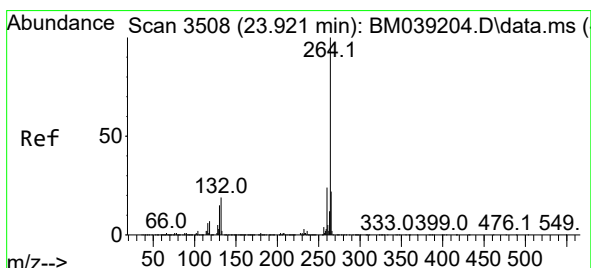
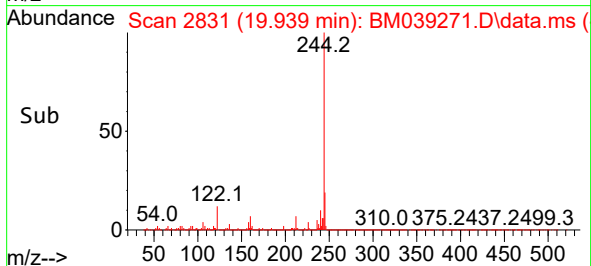
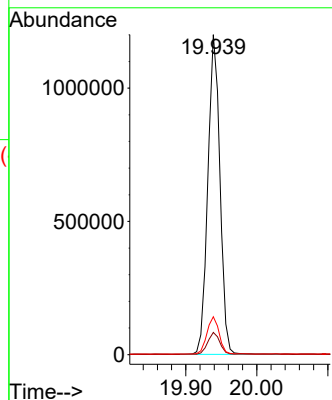
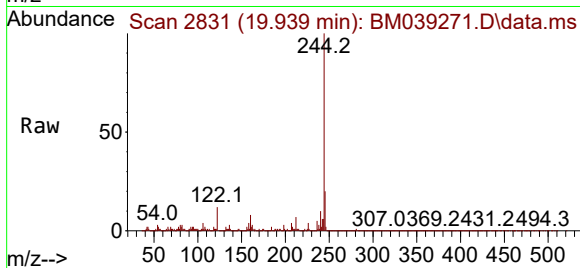
Tgt Ion:244 Resp: 1423358

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.9 9.1 13.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3508

Delta R.T. 0.017 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

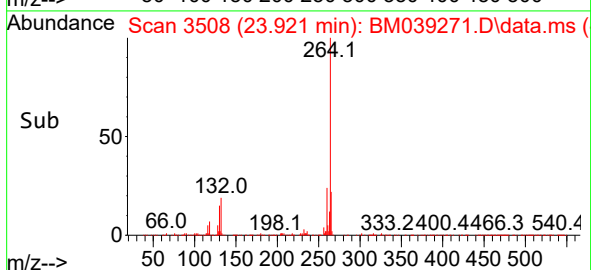
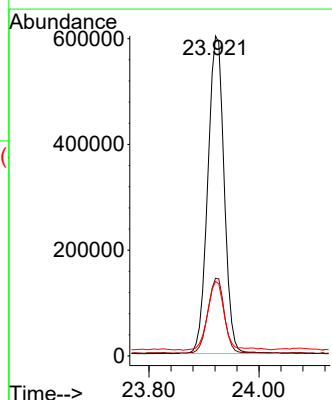
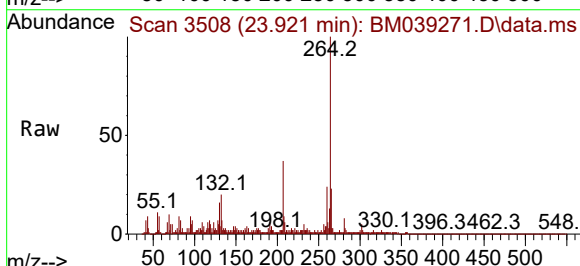
Tgt Ion:264 Resp: 1239321

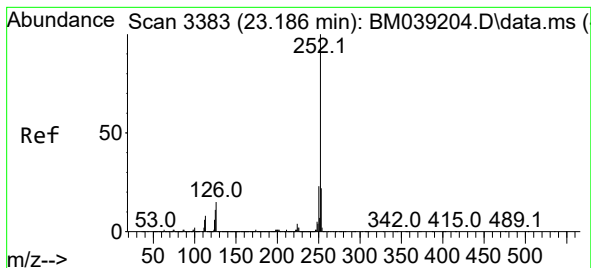
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 23.3 18.1 27.1





#88

Benzo(b)fluoranthene

Concen: 2.274 ng

RT: 23.180 min Scan# 3383

Delta R.T. 0.006 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

Instrument :

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ClientSampleId :

HD-02-033023

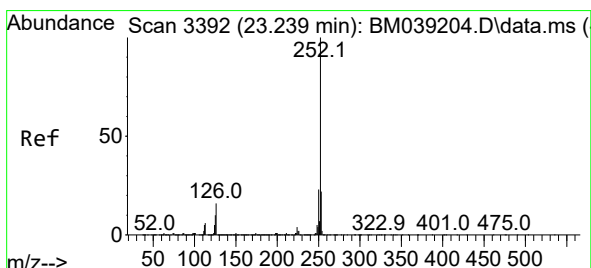
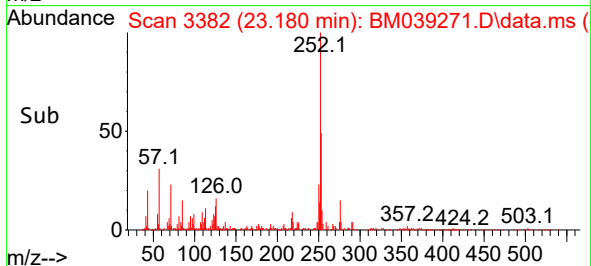
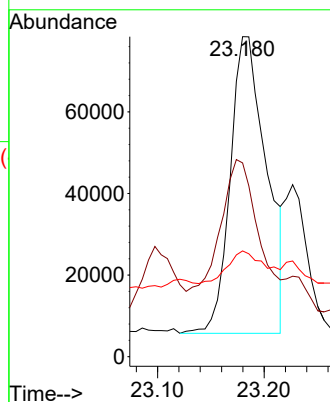
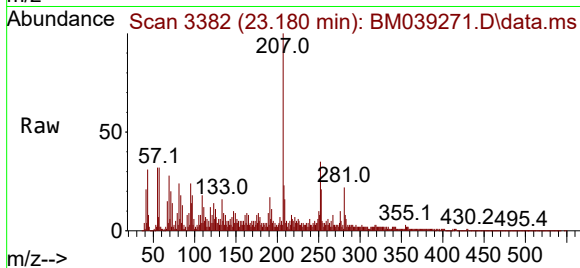
Tgt Ion:252 Resp: 172447

Ion Ratio Lower Upper

252 100

253 60.5 17.6 26.4#

125 33.0 9.0 13.6#



#89

Benzo(k)fluoranthene

Concen: 2.233 ng

RT: 23.180 min Scan# 3382

Delta R.T. -0.042 min

Lab File: BM039271.D

Acq: 01 Apr 2023 02:10

Tgt Ion:252 Resp: 172447

Ion Ratio Lower Upper

252 100

253 60.5 17.8 26.8#

125 33.0 8.5 12.7#

