

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
 Data File : BM034372.D
 Acq On : 24 Mar 2022 21:04
 Operator : CG/JU
 Sample : N2094-06 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-2-(Q4)

Quant Time: Mar 25 01:10:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

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

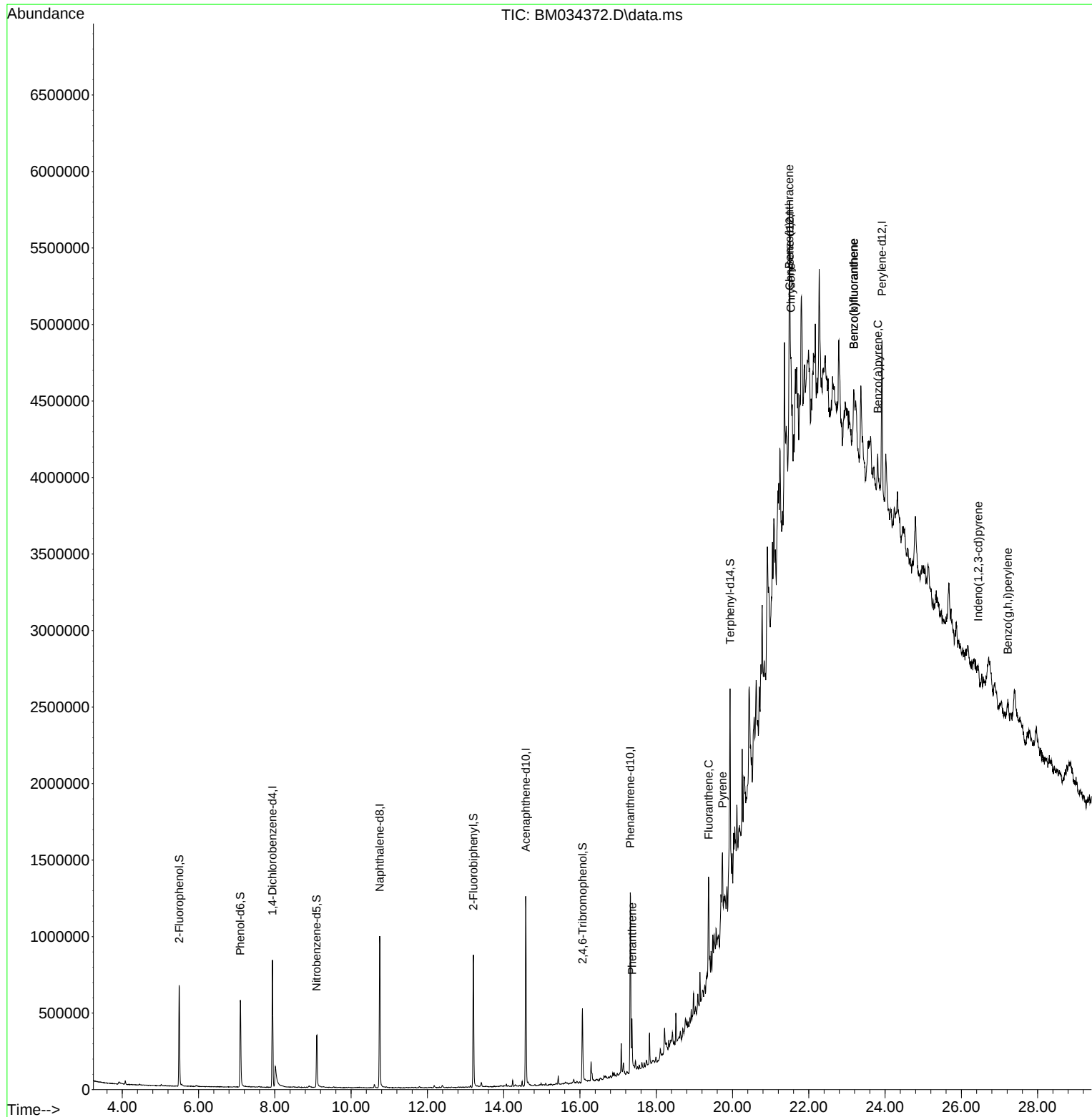
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	217760	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	819254	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	431844	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	735946	20.000	ng	0.00
76) Chrysene-d12	21.494	240	681363	20.000	ng	# 0.00
86) Perylene-d12	23.918	264	777650	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	282111	23.241	ng	0.00
7) Phenol-d6	7.095	99	339806	19.552	ng	0.00
23) Nitrobenzene-d5	9.095	82	223881	13.305	ng	-0.01
42) 2,4,6-Tribromophenol	16.065	330	95615	16.427	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	467208	14.784	ng	0.00
79) Terphenyl-d14	19.936	244	519803	13.256	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.365	178	201444	4.888	ng	99
75) Fluoranthene	19.377	202	255618	5.533	ng	98
78) Pyrene	19.736	202	258085	5.376	ng	98
81) Benzo(a)anthracene	21.483	228	160296	3.727	ng	95
83) Chrysene	21.530	228	144442	3.289	ng	96
87) Indeno(1,2,3-cd)pyrene	26.441	276	116153	2.322	ng	98
88) Benzo(b)fluoranthene	23.183	252	321950	6.923	ng	# 50
89) Benzo(k)fluoranthene	23.183	252	321950	6.536	ng	# 49
90) Benzo(a)pyrene	23.812	252	146702	3.721	ng	# 42
92) Benzo(g,h,i)perylene	27.218	276	132245	3.150	ng	# 81

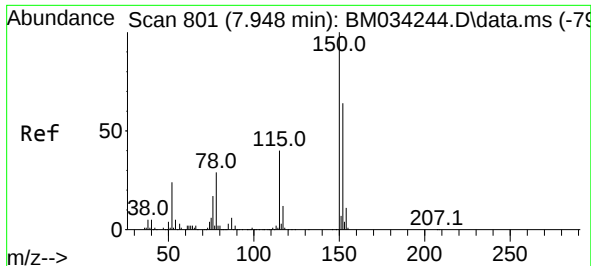
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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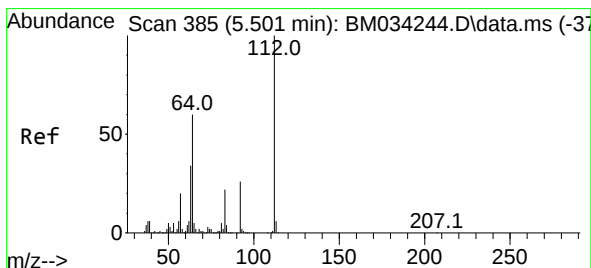
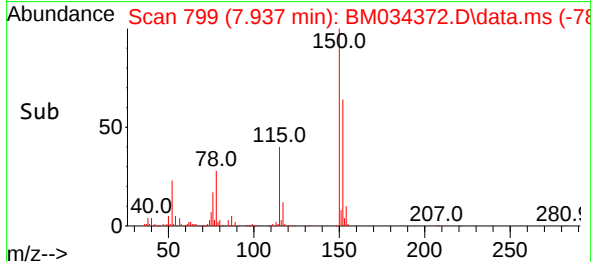
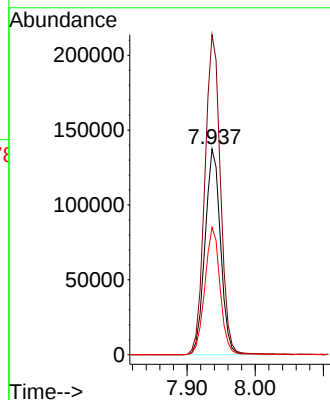
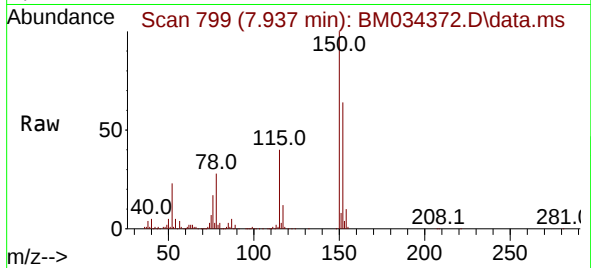




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

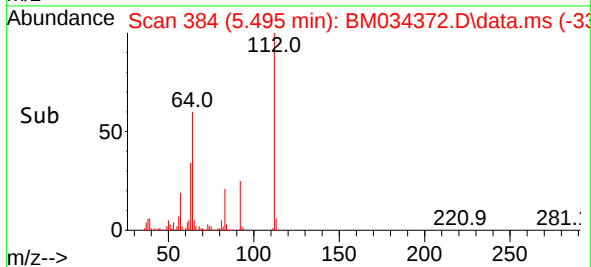
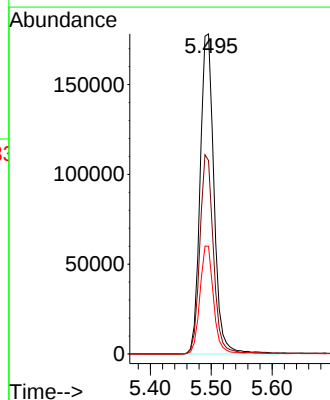
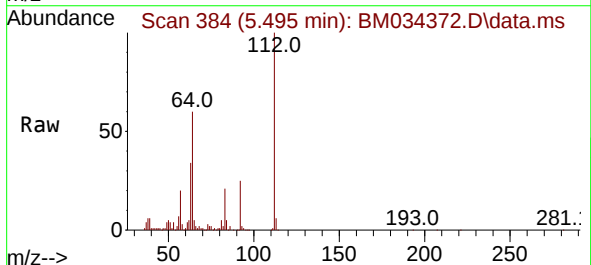
Instrument :
BNA_M
ClientSampleId :
WC-2-(Q4)

Tgt Ion:152 Resp: 217760
Ion Ratio Lower Upper
152 100
150 155.6 125.4 188.2
115 61.9 50.1 75.1



#5
2-Fluorophenol
Concen: 23.241 ng
RT: 5.495 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

Tgt Ion:112 Resp: 282111
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 33.6 27.1 40.7

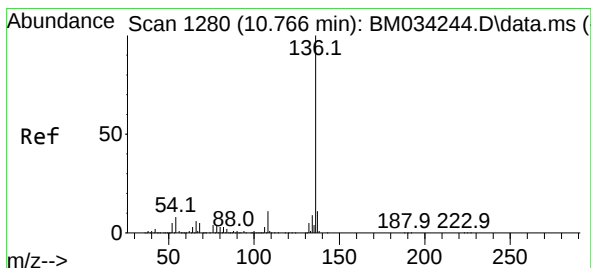
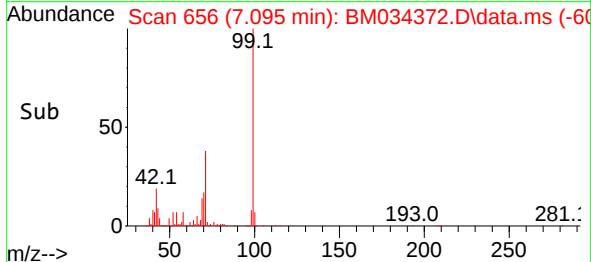
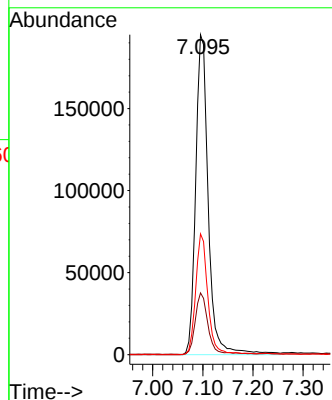
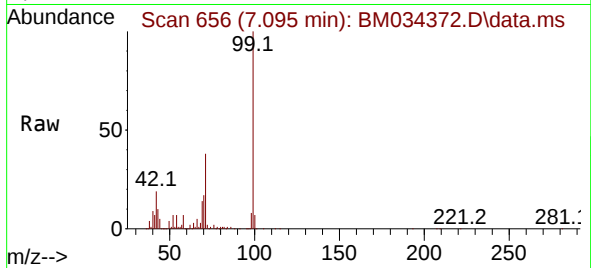




#7
Phenol-d6
Concen: 19.552 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

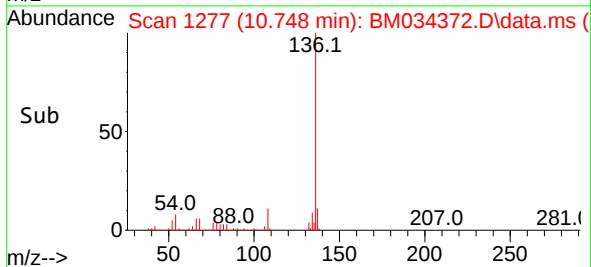
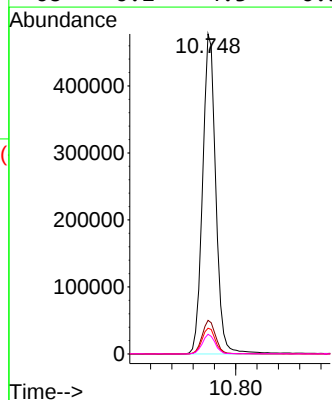
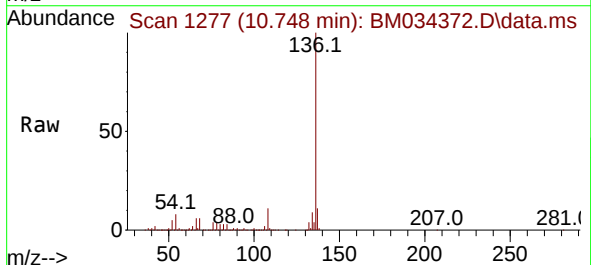
Instrument :
BNA_M
ClientSampleId :
WC-2-(Q4)

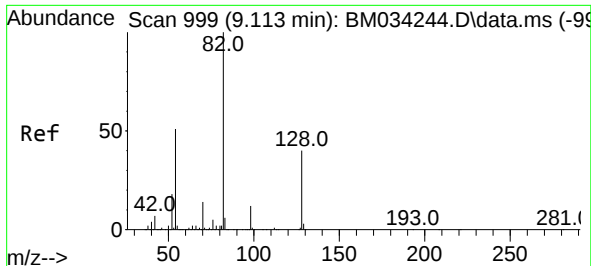
Tgt Ion: 99 Resp: 339806
Ion Ratio Lower Upper
99 100
42 19.3 15.6 23.4
71 37.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

Tgt Ion: 136 Resp: 819254
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.1 6.2 9.4
68 6.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 13.305 ng

RT: 9.095 min Scan# 999

Delta R.T. -0.012 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

Instrument :

BNA_M

ClientSampleId :

WC-2-(Q4)

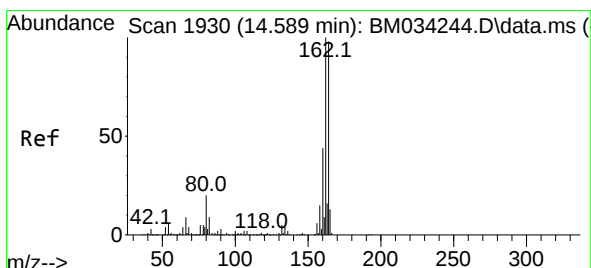
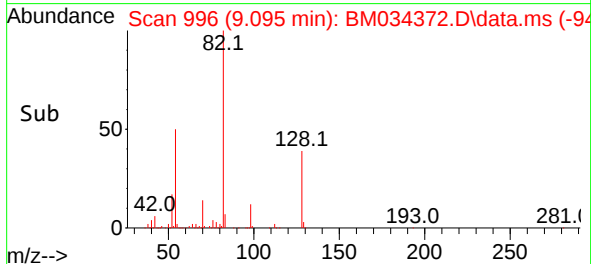
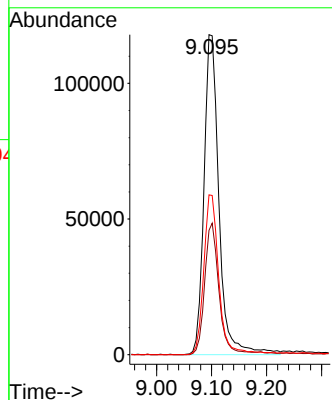
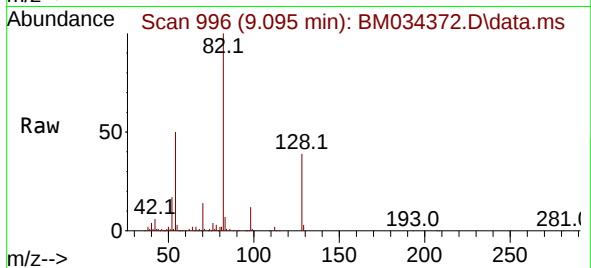
Tgt Ion: 82 Resp: 223881

Ion Ratio Lower Upper

82 100

128 38.9 31.9 47.9

54 49.9 40.6 61.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.577 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

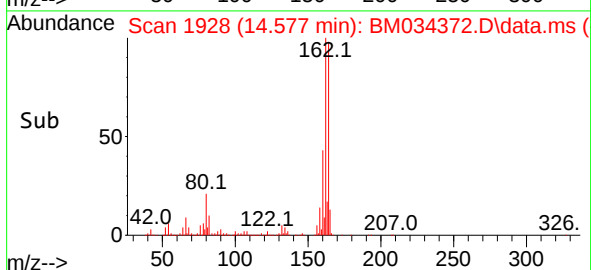
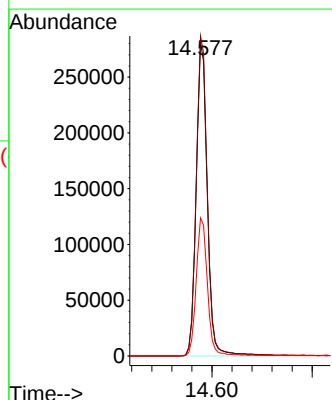
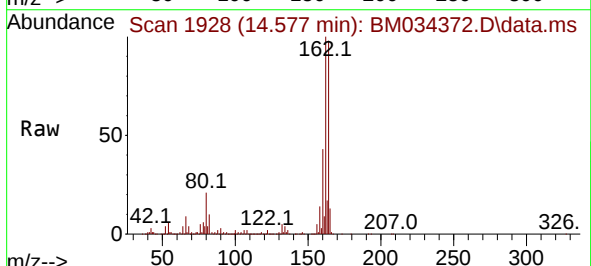
Tgt Ion: 164 Resp: 431844

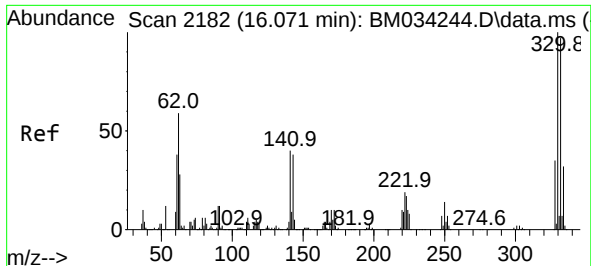
Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

160 44.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 16.427 ng

RT: 16.065 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

Instrument :

BNA_M

ClientSampleId :

WC-2-(Q4)

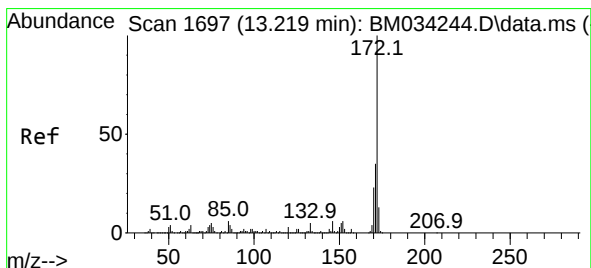
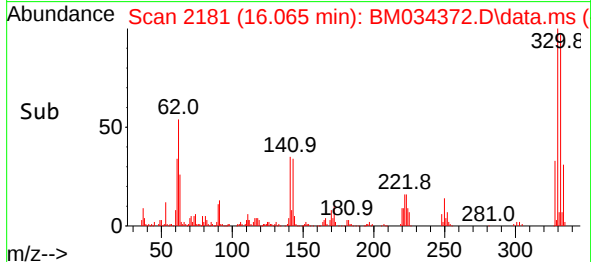
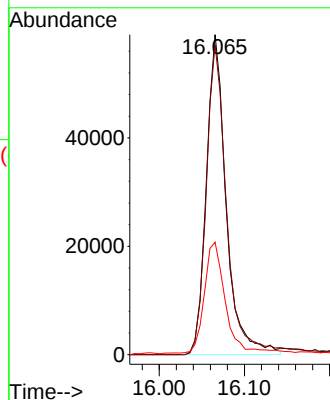
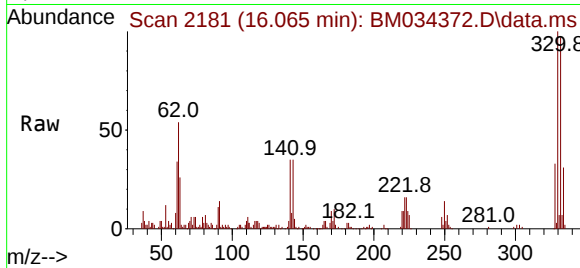
Tgt Ion:330 Resp: 95615

Ion Ratio Lower Upper

330 100

332 101.6 78.2 117.4

141 37.8 30.6 45.8



#45

2-Fluorobiphenyl

Concen: 14.784 ng

RT: 13.207 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

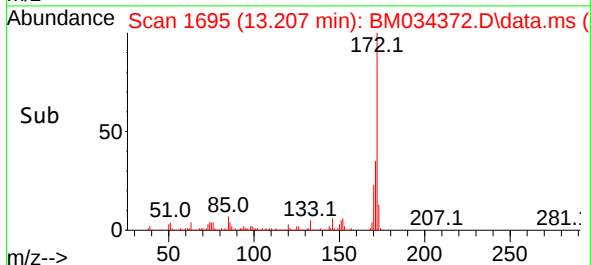
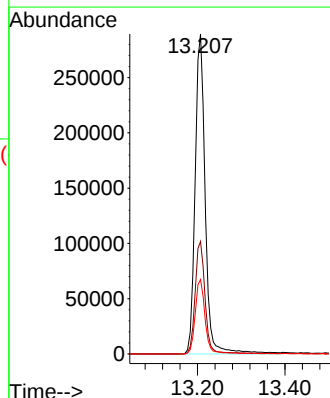
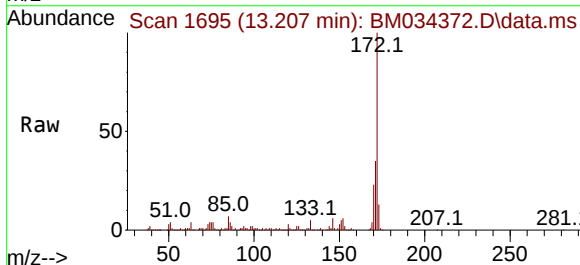
Tgt Ion:172 Resp: 467208

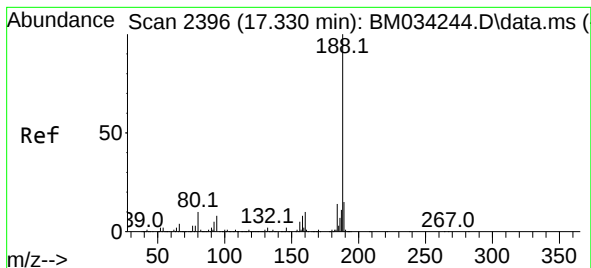
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.3 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.318 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

Instrument :

BNA_M

ClientSampleId :

WC-2-(Q4)

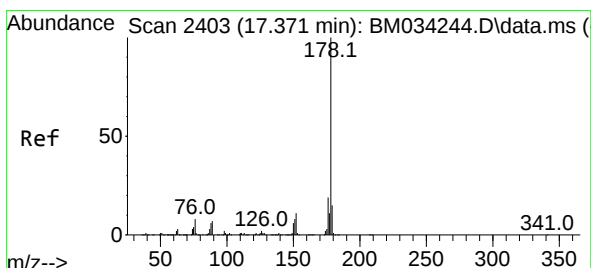
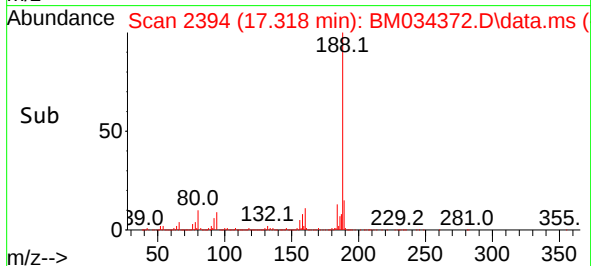
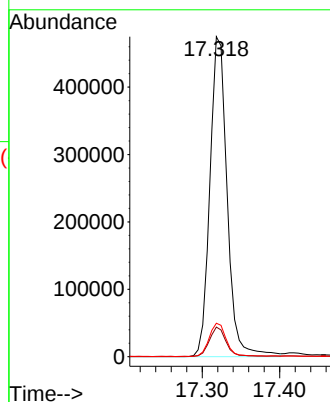
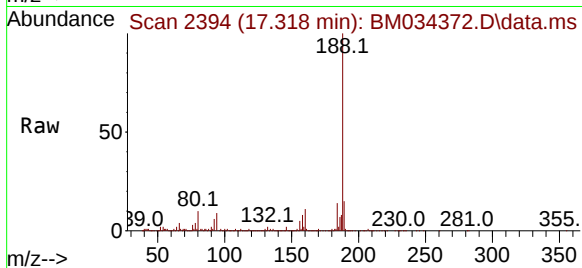
Tgt Ion:188 Resp: 735946

Ion Ratio Lower Upper

188 100

94 9.2 6.6 9.8

80 10.4 7.8 11.8



#71

Phenanthrene

Concen: 4.888 ng

RT: 17.365 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

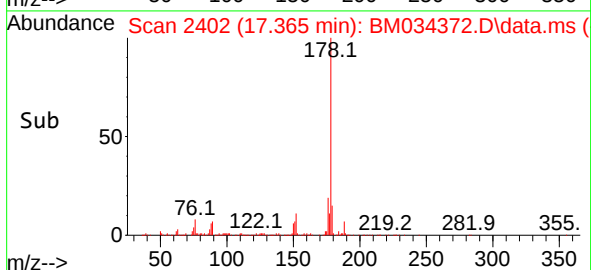
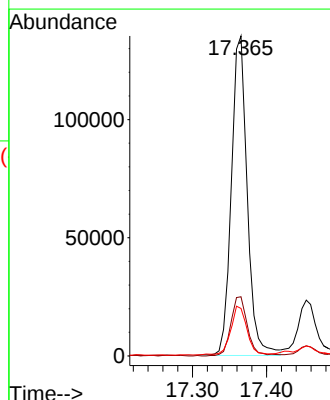
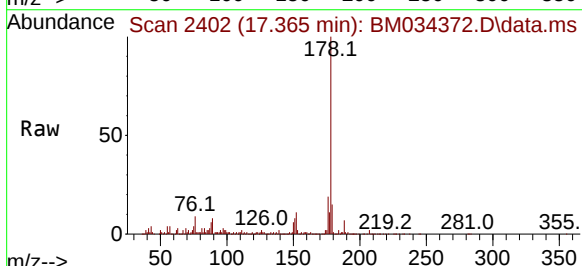
Tgt Ion:178 Resp: 201444

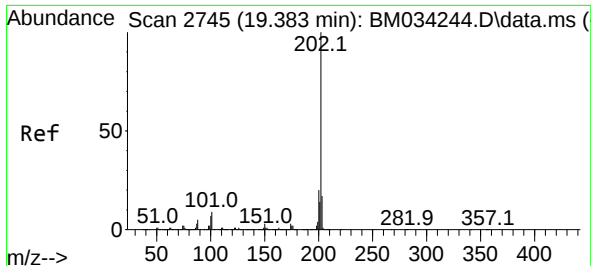
Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 14.8 12.2 18.4

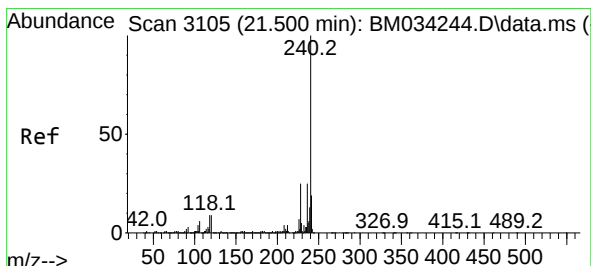
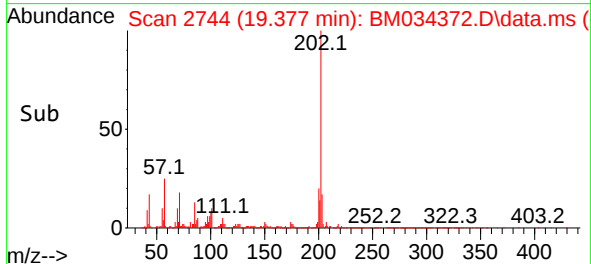
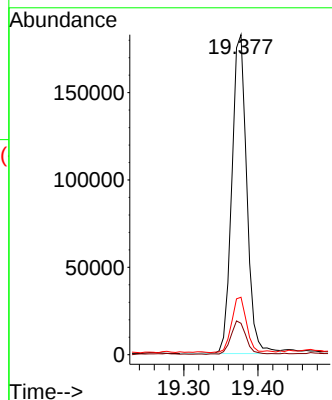
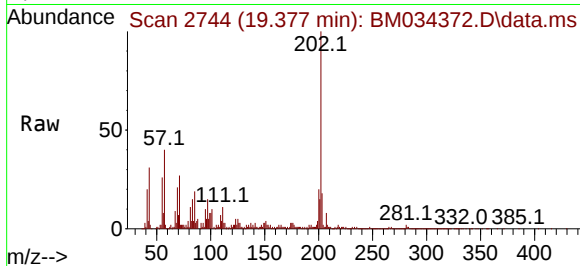




#75
Fluoranthene
Concen: 5.533 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

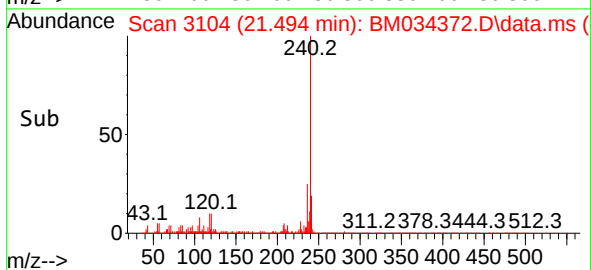
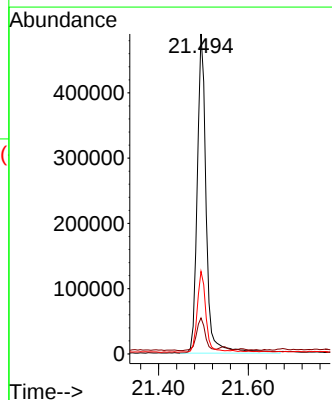
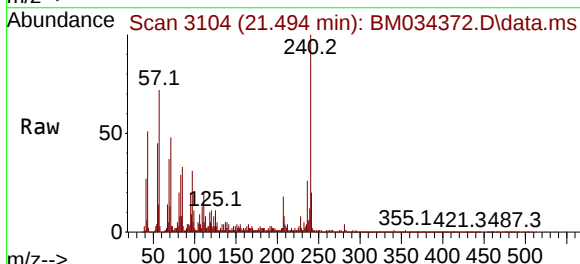
Instrument :
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WC-2-(Q4)

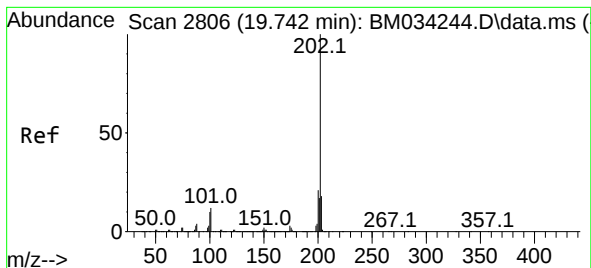
Tgt Ion:202 Resp: 255618
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.4
203 18.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

Tgt Ion:240 Resp: 681363
Ion Ratio Lower Upper
240 100
120 11.2 7.3 10.9#
236 25.8 20.2 30.2





#78

Pyrene

Concen: 5.376 ng

RT: 19.736 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

Instrument :

BNA_M

ClientSampleId :

WC-2-(Q4)

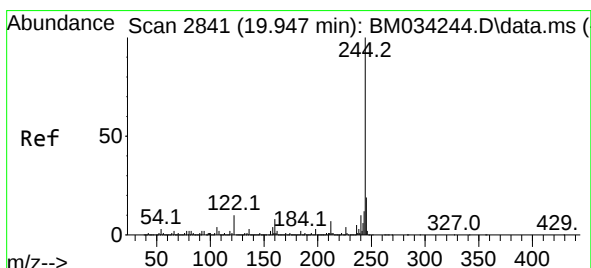
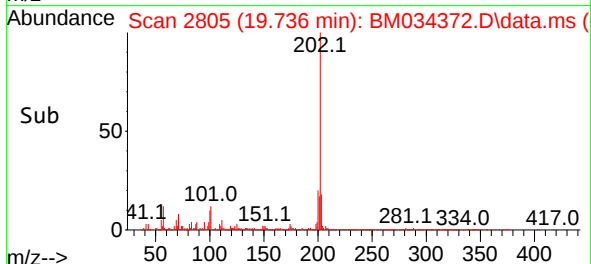
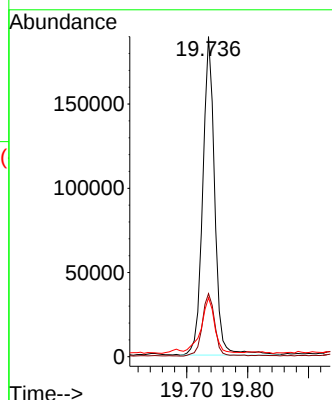
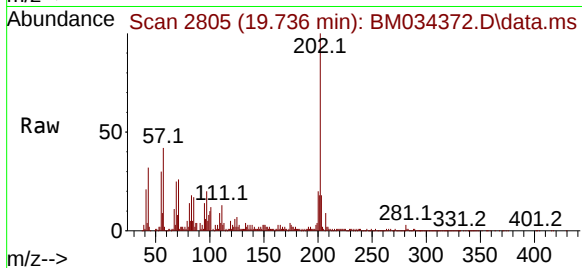
Tgt Ion:202 Resp: 258085

Ion Ratio Lower Upper

202 100

200 19.7 16.6 24.8

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 13.256 ng

RT: 19.936 min Scan# 2839

Delta R.T. -0.000 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

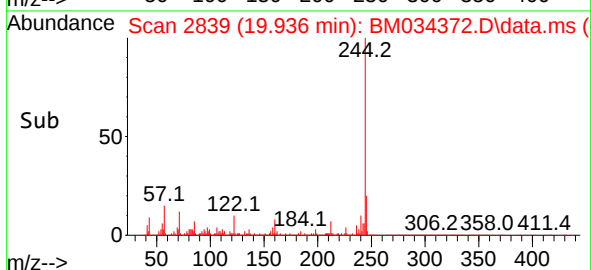
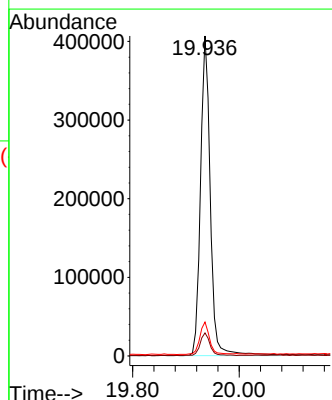
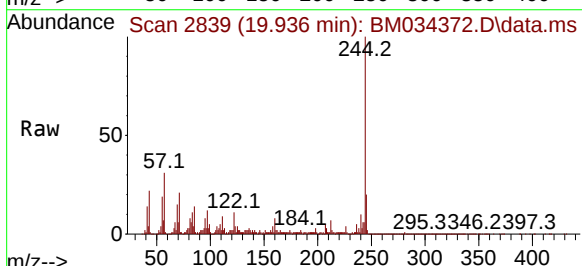
Tgt Ion:244 Resp: 519803

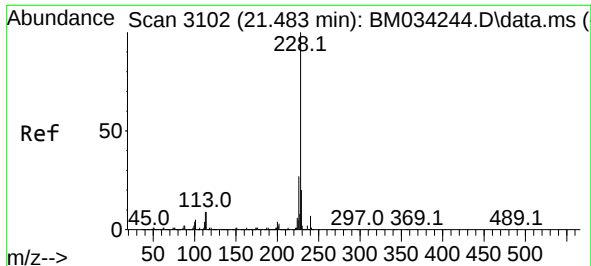
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.6 7.8 11.8

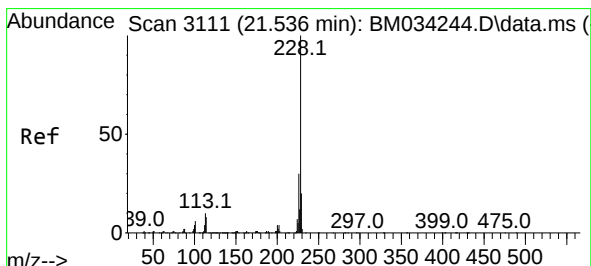
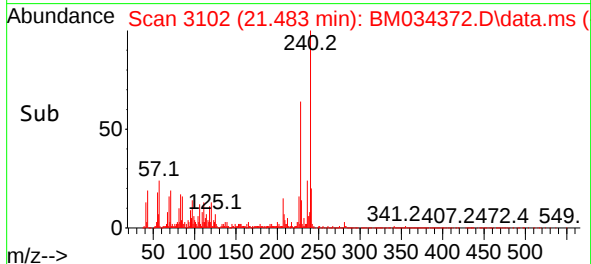
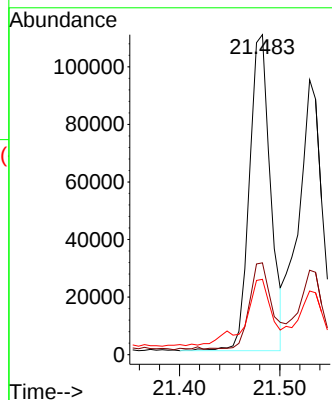
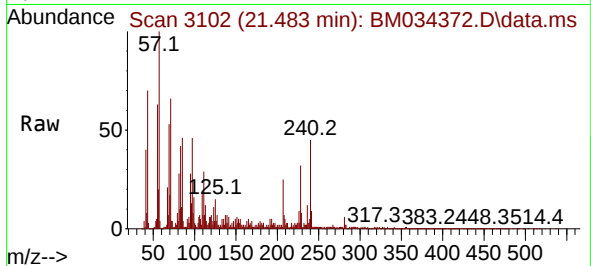




#81
Benzo(a)anthracene
Concen: 3.727 ng
RT: 21.483 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

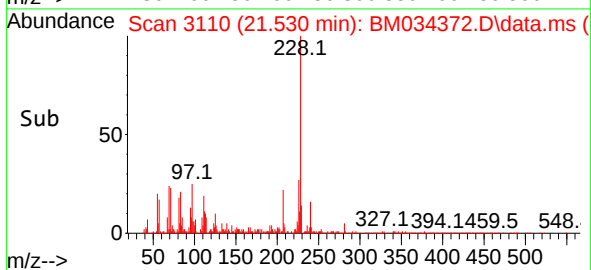
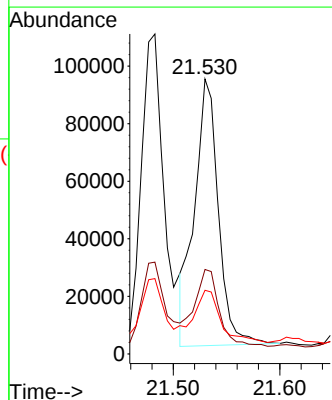
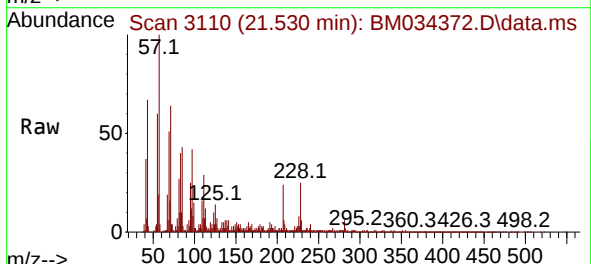
Instrument :
BNA_M
ClientSampleId :
WC-2-(Q4)

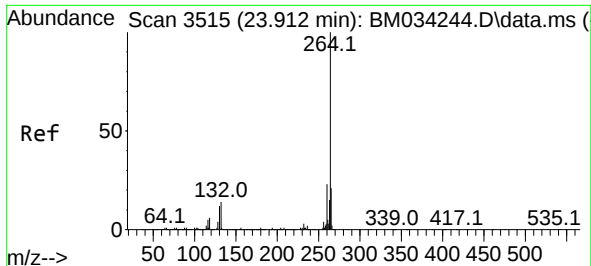
Tgt Ion:228 Resp: 160296
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 23.5 15.8 23.6



#83
Chrysene
Concen: 3.289 ng
RT: 21.530 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

Tgt Ion:228 Resp: 144442
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.6
229 23.2 15.6 23.4

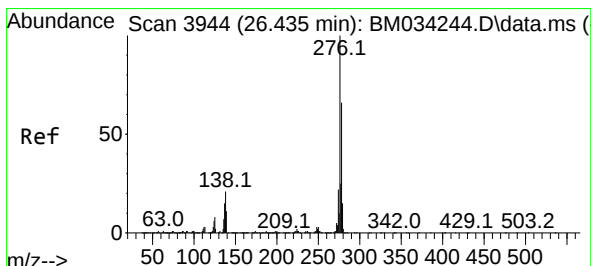
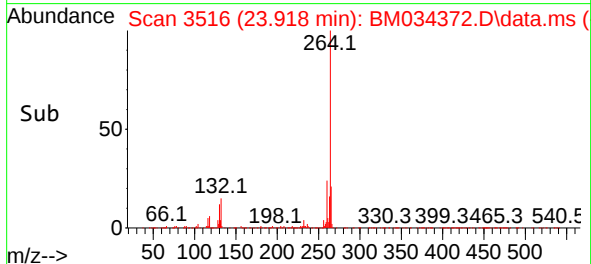
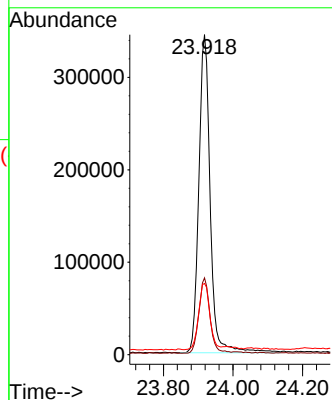
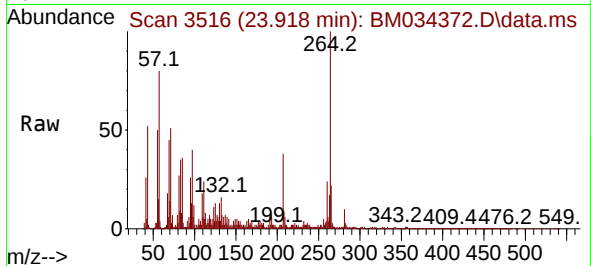




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.918 min Scan# 3515
 Delta R.T. 0.012 min
 Lab File: BM034372.D
 Acq: 24 Mar 2022 21:04

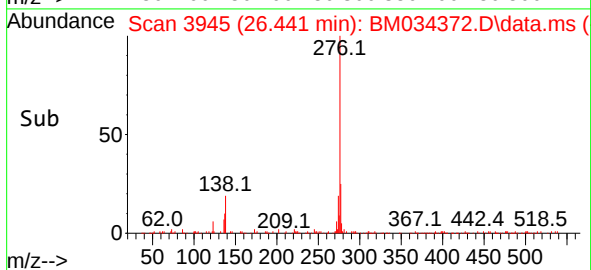
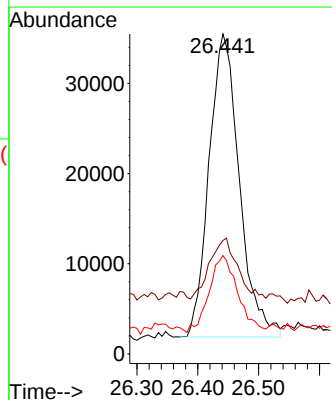
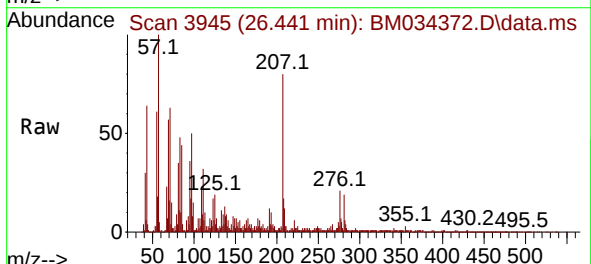
Instrument :
 BNA_M
 ClientSampleId :
 WC-2-(Q4)

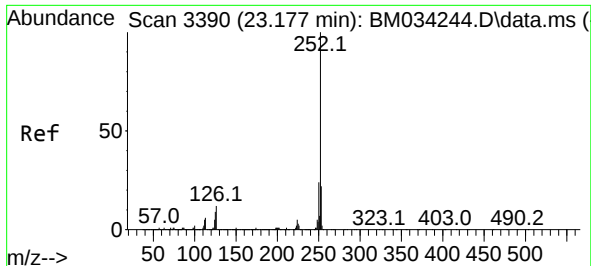
Tgt Ion:264 Resp: 777650
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 22.2 17.6 26.4



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.322 ng
 RT: 26.441 min Scan# 3945
 Delta R.T. 0.018 min
 Lab File: BM034372.D
 Acq: 24 Mar 2022 21:04

Tgt Ion:276 Resp: 116153
 Ion Ratio Lower Upper
 276 100
 138 19.4 16.6 25.0
 277 23.9 19.8 29.6

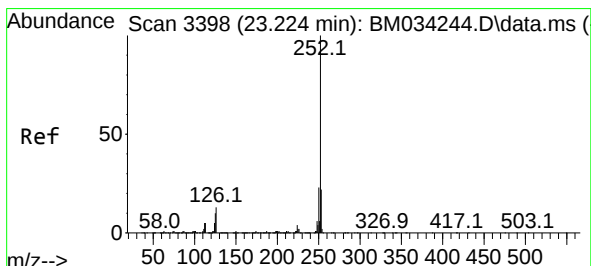
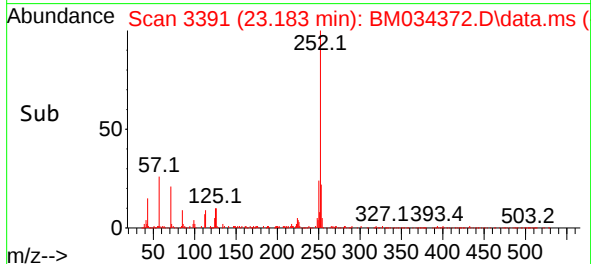
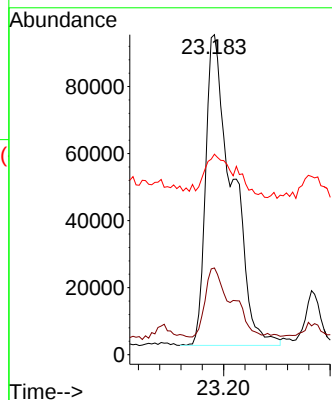
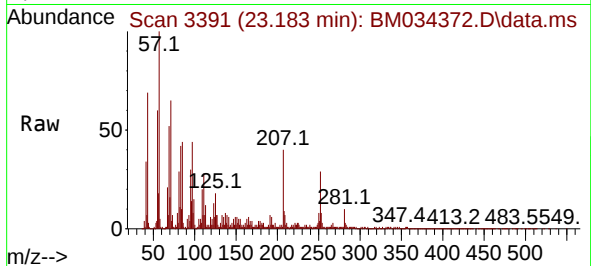




#88
Benzo(b)fluoranthene
Concen: 6.923 ng
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

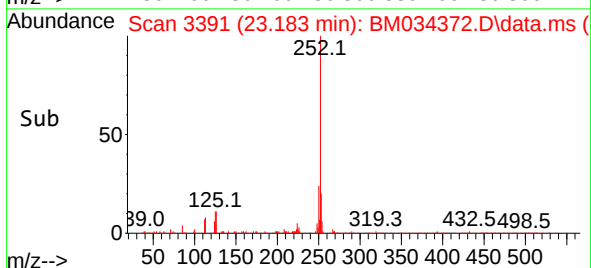
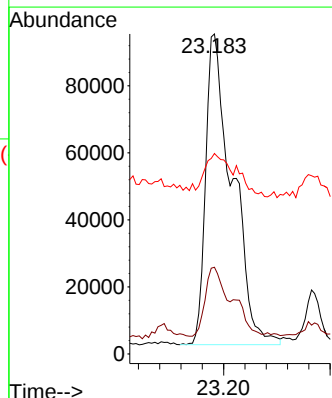
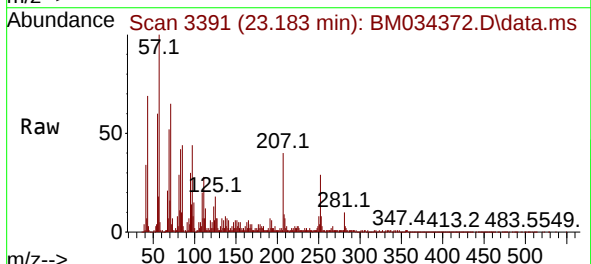
Instrument :
BNA_M
ClientSampleId :
WC-2-(Q4)

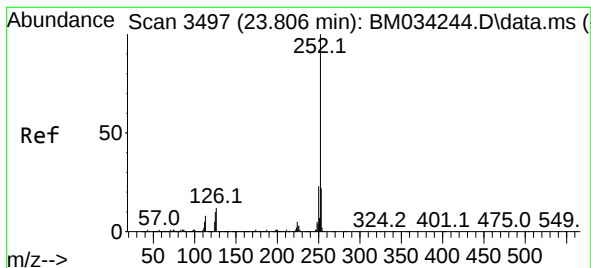
Tgt Ion:252 Resp: 321950
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.8#
125 62.7 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 6.536 ng
RT: 23.183 min Scan# 3391
Delta R.T. -0.041 min
Lab File: BM034372.D
Acq: 24 Mar 2022 21:04

Tgt Ion:252 Resp: 321950
Ion Ratio Lower Upper
252 100
253 27.1 17.6 26.4#
125 62.7 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 3.721 ng

RT: 23.812 min Scan# 34

Delta R.T. 0.012 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

Instrument :

BNA_M

ClientSampleId :

WC-2-(Q4)

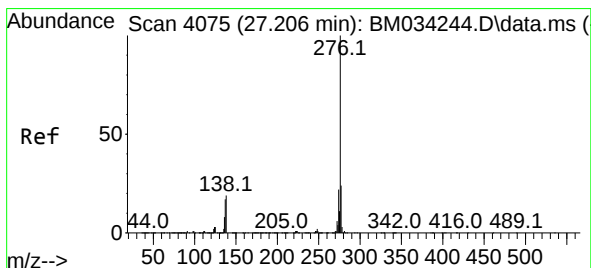
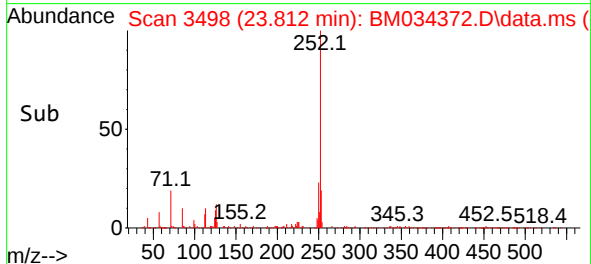
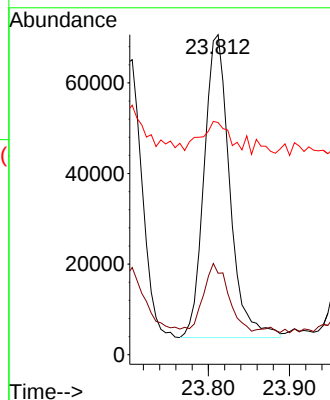
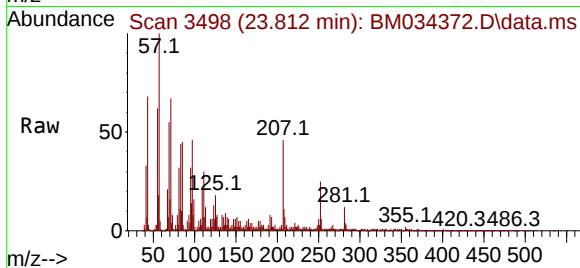
Tgt Ion:252 Resp: 146702

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

125 72.6 7.8 11.6#



#92

Benzo(g,h,i)perylene

Concen: 3.150 ng

RT: 27.218 min Scan# 4077

Delta R.T. 0.018 min

Lab File: BM034372.D

Acq: 24 Mar 2022 21:04

Tgt Ion:276 Resp: 132245

Ion Ratio Lower Upper

276 100

277 28.8 19.0 28.4#

138 33.1 15.6 23.4#

