

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
 Data File : BM041368.D
 Acq On : 10 Aug 2023 18:25
 Operator : MA/JU
 Sample : 03955-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-22

Quant Time: Aug 11 03:34:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 12:20:12 2023
 Response via : Initial Calibration

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

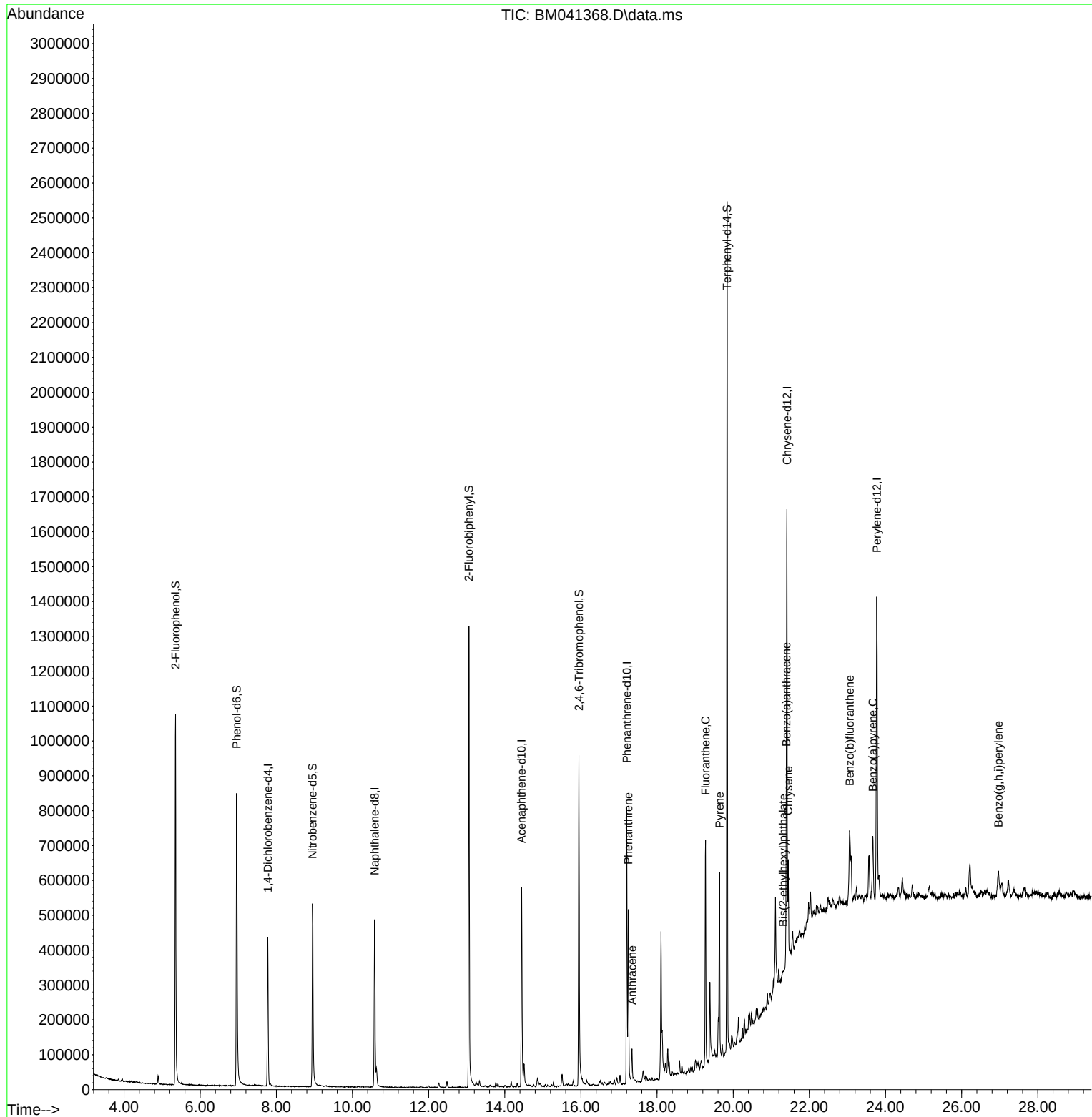
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	113968	20.000	ng	0.00
21) Naphthalene-d8	10.580	136	412063	20.000	ng	0.00
39) Acenaphthene-d10	14.439	164	232076	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	497184	20.000	ng	# 0.00
76) Chrysene-d12	21.409	240	561217	20.000	ng	0.00
86) Perylene-d12	23.774	264	700465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	457371	59.980	ng	0.00
7) Phenol-d6	6.957	99	516349	52.239	ng	-0.01
23) Nitrobenzene-d5	8.951	82	347721	39.243	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	194439	59.233	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	732415	39.867	ng	0.00
79) Terphenyl-d14	19.839	244	1162706	37.459	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.245	178	301989	10.932	ng	99
72) Anthracene	17.339	178	69374	2.539	ng	97
75) Fluoranthene	19.274	202	364060	11.731	ng	98
78) Pyrene	19.639	202	332282	8.467	ng	99
81) Benzo(a)anthracene	21.391	228	167889	4.413	ng	99
83) Chrysene	21.444	228	150339	4.085	ng	98
84) Bis(2-ethylhexyl)phtha...	21.315	149	3298	2.676	ng	# 97
88) Benzo(b)fluoranthene	23.056	252	194047	4.663	ng	98
90) Benzo(a)pyrene	23.668	252	149073	3.728	ng	96
92) Benzo(g,h,i)perylene	26.968	276	102282	2.434	ng	95

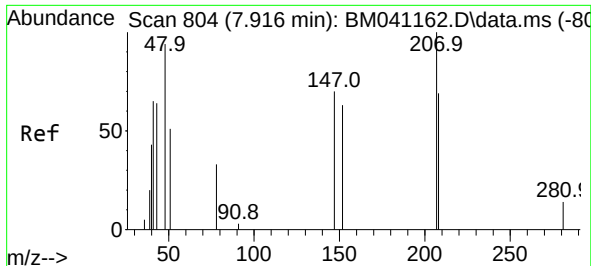
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081023\
Data File : BM041368.D
Acq On : 10 Aug 2023 18:25
Operator : MA/JU
Sample : 03955-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-22

Quant Time: Aug 11 03:34:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 12:20:12 2023
Response via : Initial Calibration

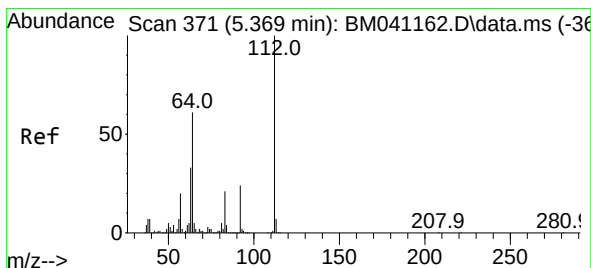
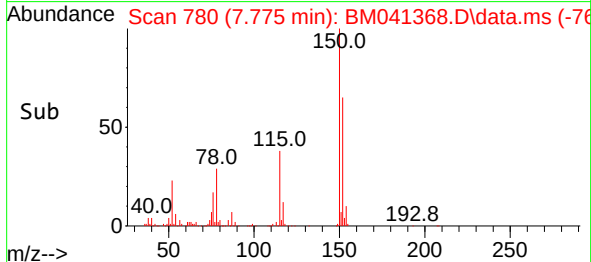
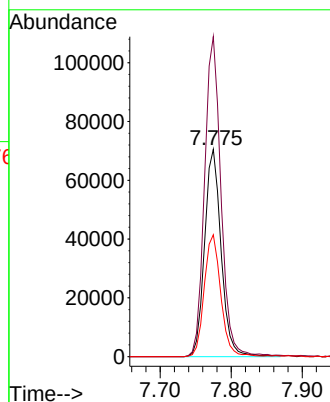
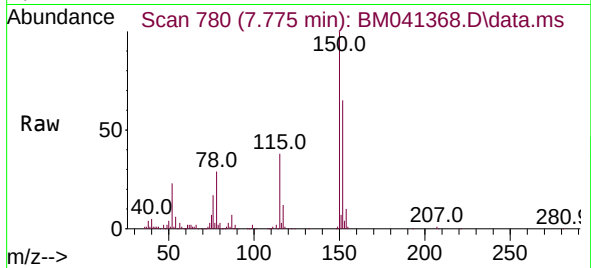




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

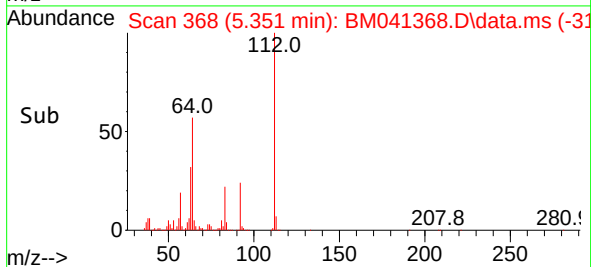
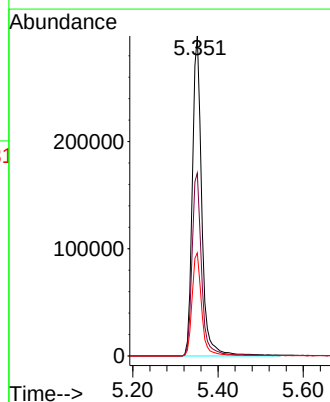
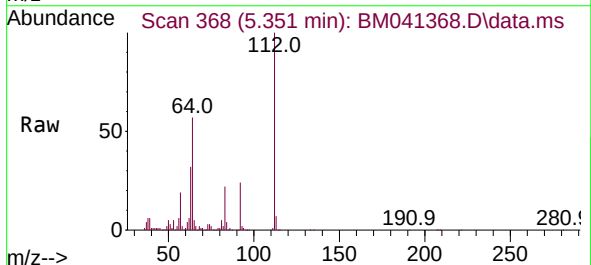
Instrument :
BNA_M
ClientSampleId :
WC-22

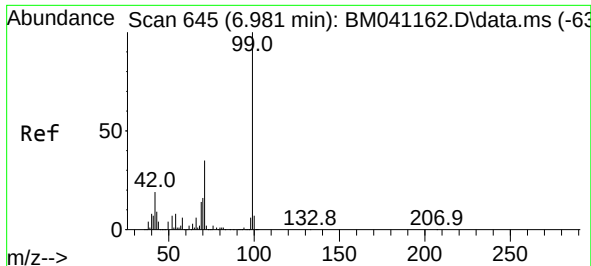
Tgt Ion:152 Resp: 113968
Ion Ratio Lower Upper
152 100
150 154.3 125.5 188.3
115 58.7 48.0 72.0



#5
2-Fluorophenol
Concen: 59.980 ng
RT: 5.351 min Scan# 368
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:112 Resp: 457371
Ion Ratio Lower Upper
112 100
64 57.1 48.5 72.7
63 32.2 26.5 39.7

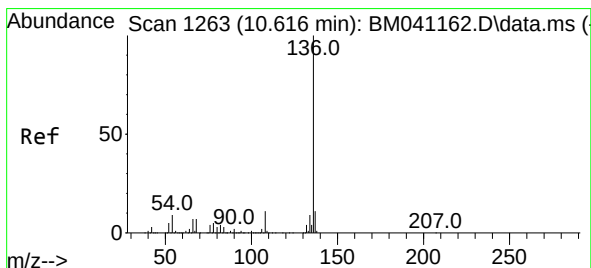
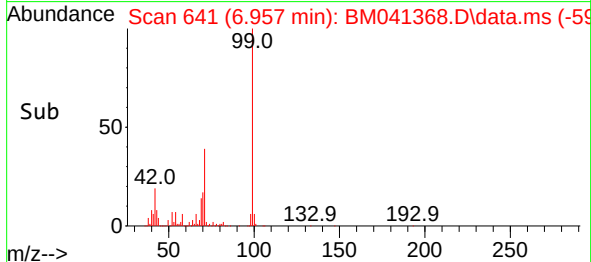
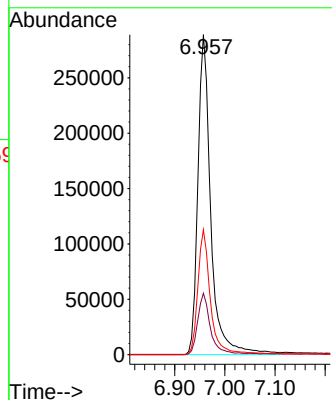
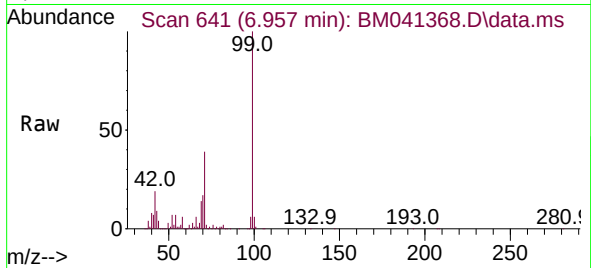




#7
Phenol-d6
Concen: 52.239 ng
RT: 6.957 min Scan# 645
Delta R.T. -0.012 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

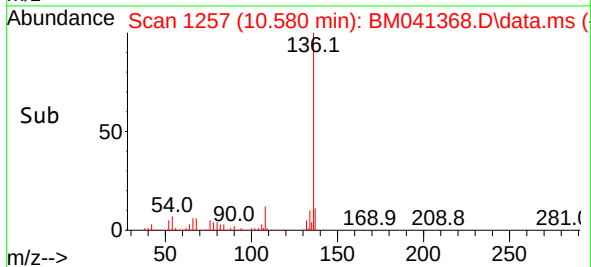
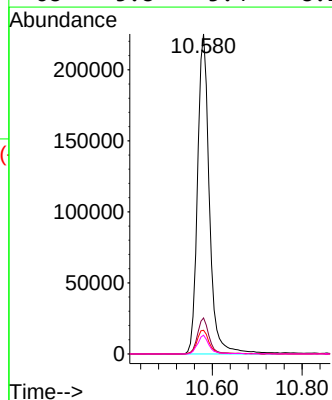
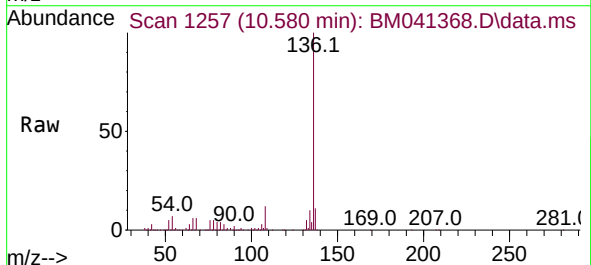
Instrument :
BNA_M
ClientSampleId :
WC-22

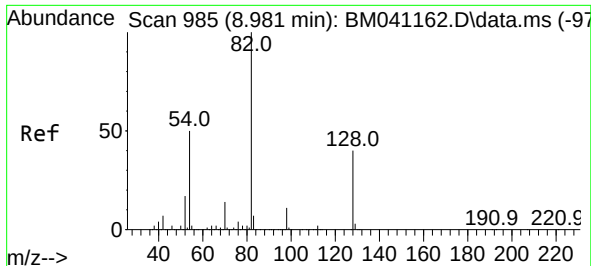
Tgt Ion: 99 Resp: 516349
Ion Ratio Lower Upper
99 100
42 19.2 15.4 23.0
71 39.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion: 136 Resp: 412063
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.4 6.9 10.3
68 5.8 5.4 8.2

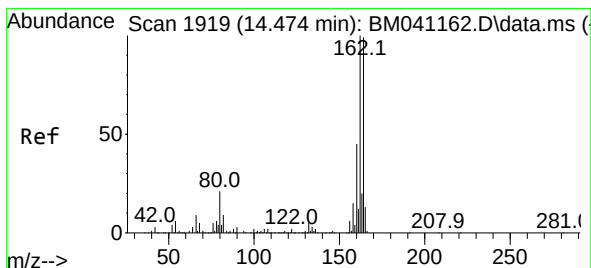
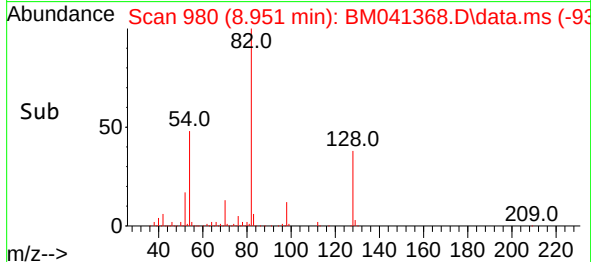
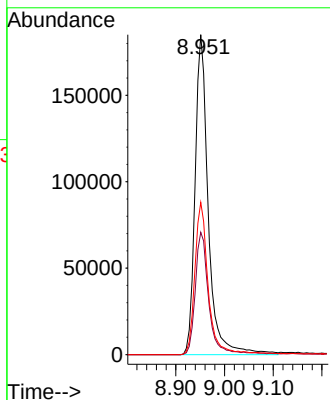
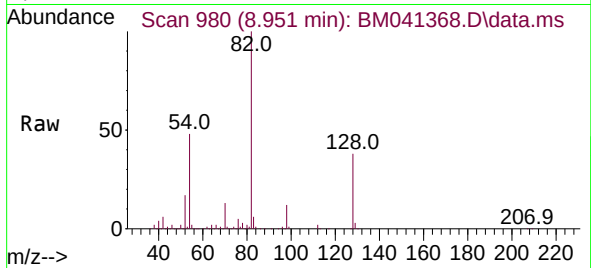




#23
Nitrobenzene-d5
Concen: 39.243 ng
RT: 8.951 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

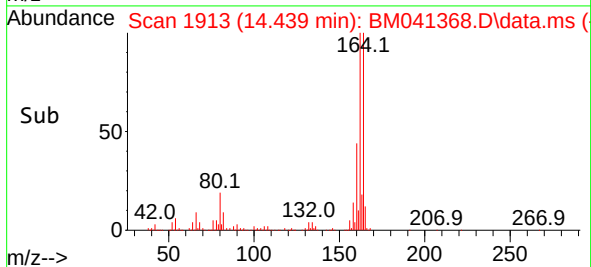
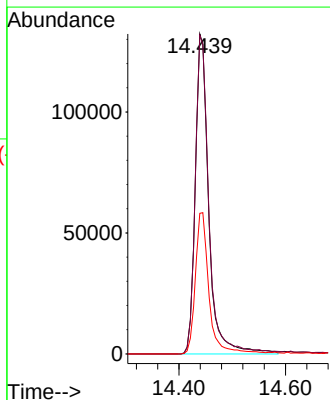
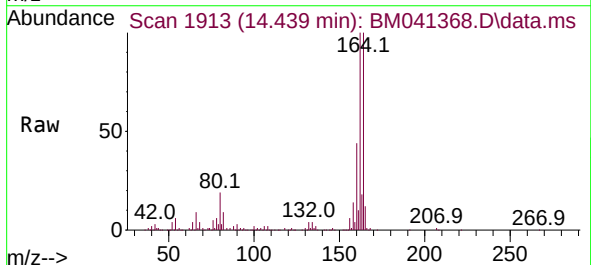
Instrument :
BNA_M
ClientSampleId :
WC-22

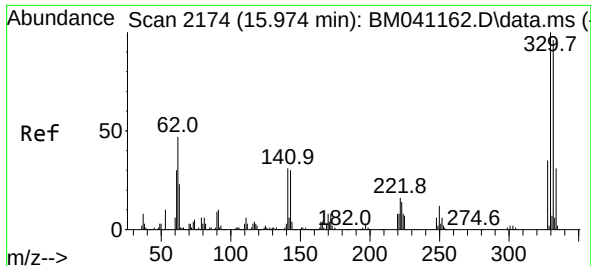
Tgt Ion: 82 Resp: 347721
Ion Ratio Lower Upper
82 100
128 38.2 31.8 47.6
54 47.6 40.1 60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion: 164 Resp: 232076
Ion Ratio Lower Upper
164 100
162 99.6 80.4 120.6
160 43.9 36.2 54.2

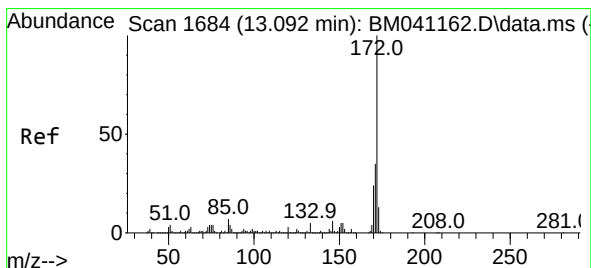
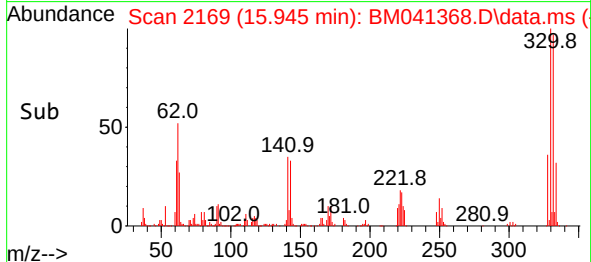
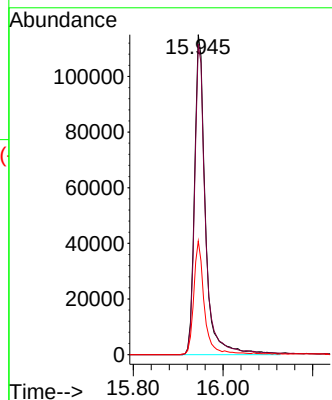
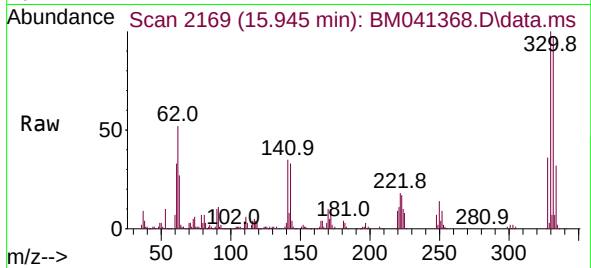




#42
2,4,6-Tribromophenol
Concen: 59.233 ng
RT: 15.945 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

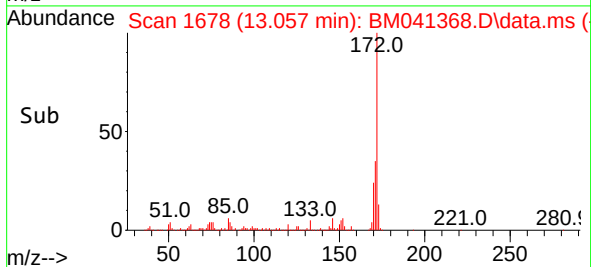
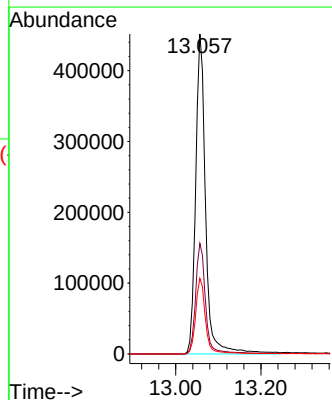
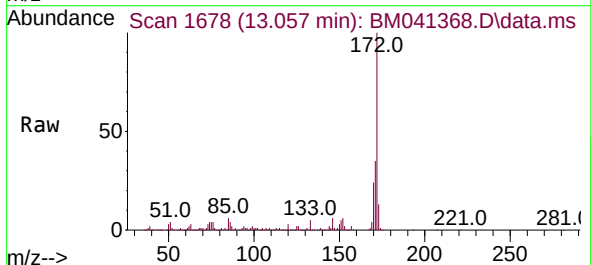
Instrument :
BNA_M
ClientSampleId :
WC-22

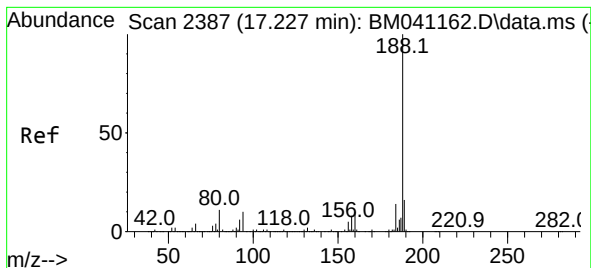
Tgt Ion:330 Resp: 194439
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 34.5 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 39.867 ng
RT: 13.057 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BM041368.D
Acq: 10 Aug 2023 18:25

Tgt Ion:172 Resp: 732415
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2383

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

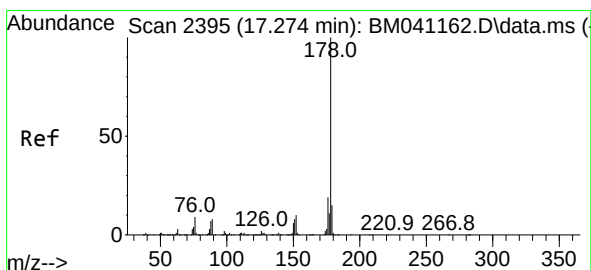
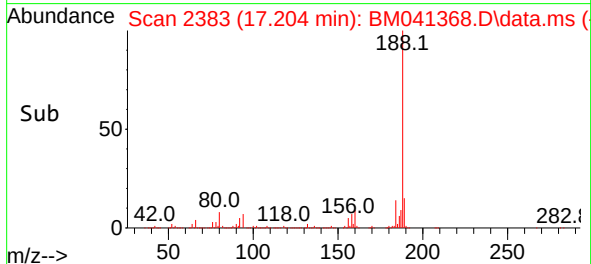
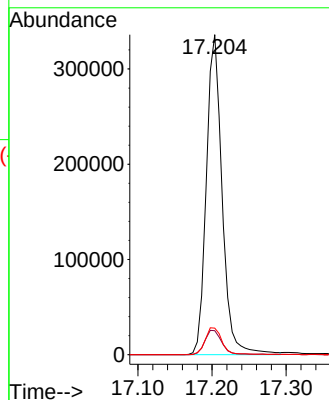
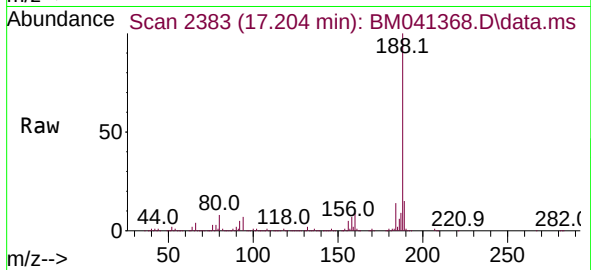
Tgt Ion:188 Resp: 497184

Ion Ratio Lower Upper

188 100

94 7.5 8.2 12.2#

80 8.3 8.6 13.0#



#71

Phenanthrene

Concen: 10.932 ng

RT: 17.245 min Scan# 2390

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

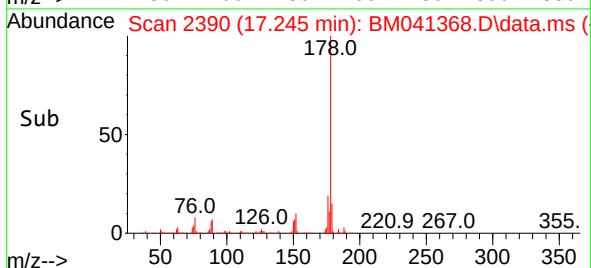
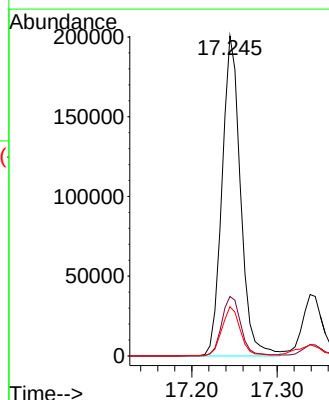
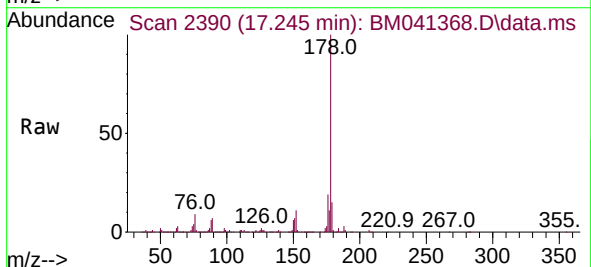
Tgt Ion:178 Resp: 301989

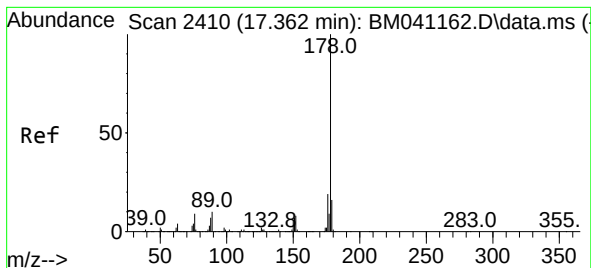
Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 15.4 12.1 18.1





#72

Anthracene

Concen: 2.539 ng

RT: 17.339 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

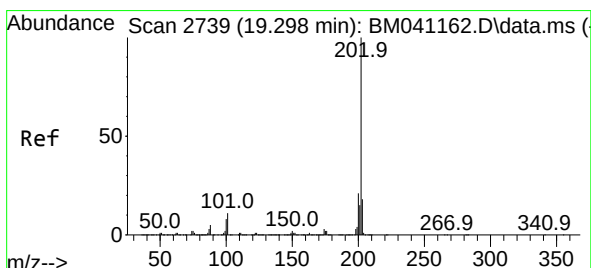
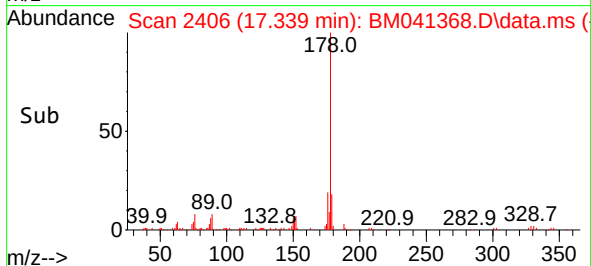
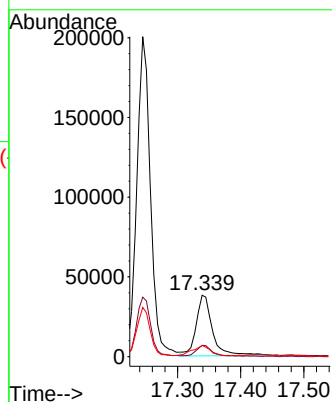
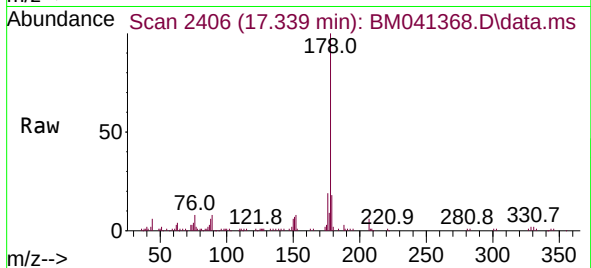
Tgt Ion:178 Resp: 69374

Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 18.2 12.4 18.6



#75

Fluoranthene

Concen: 11.731 ng

RT: 19.274 min Scan# 2735

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

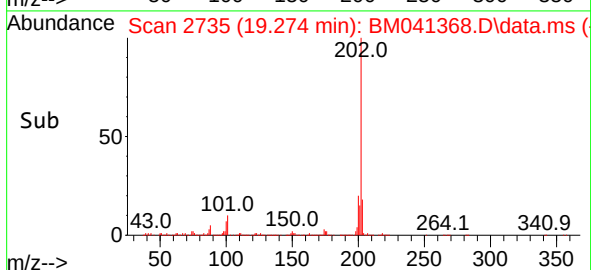
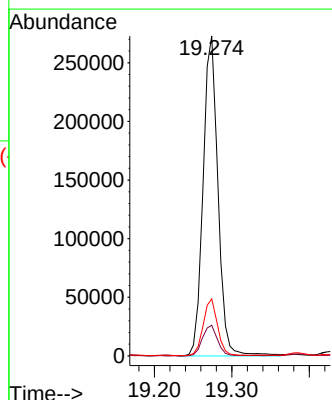
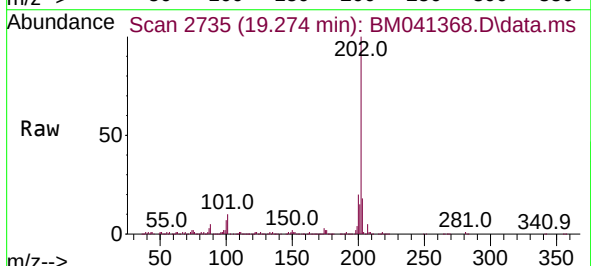
Tgt Ion:202 Resp: 364060

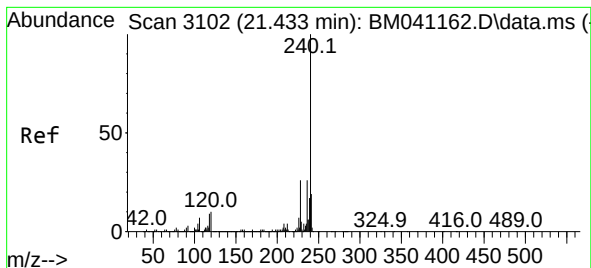
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.8

203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

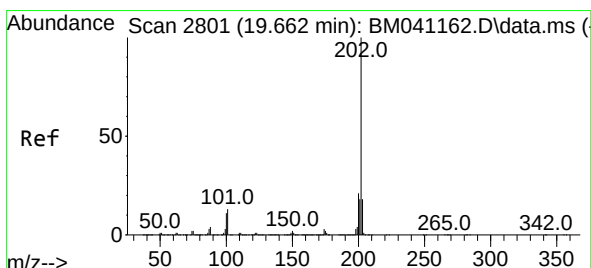
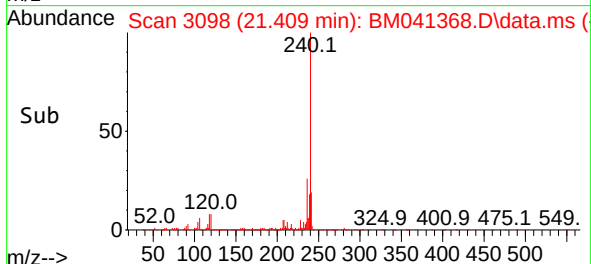
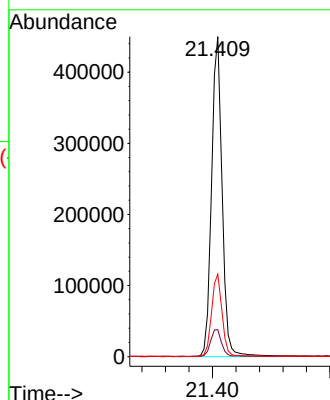
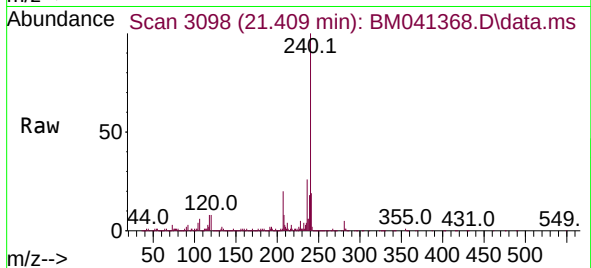
Tgt Ion:240 Resp: 561217

Ion Ratio Lower Upper

240 100

120 8.4 8.3 12.5

236 25.8 20.6 30.8



#78

Pyrene

Concen: 8.467 ng

RT: 19.639 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

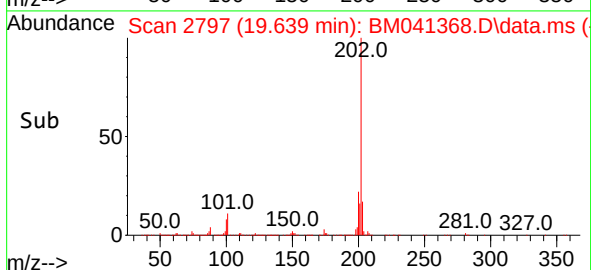
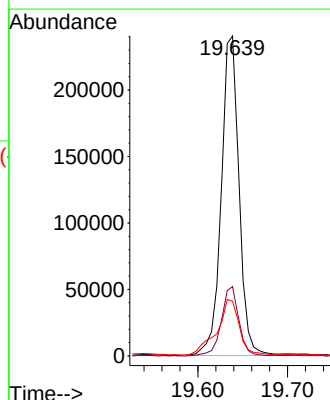
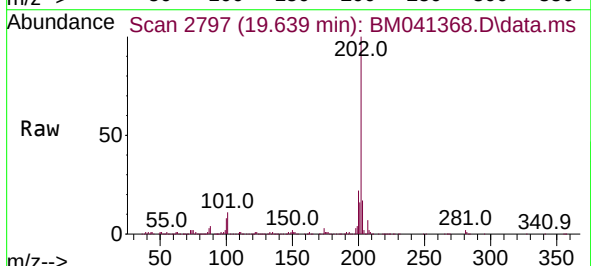
Tgt Ion:202 Resp: 332282

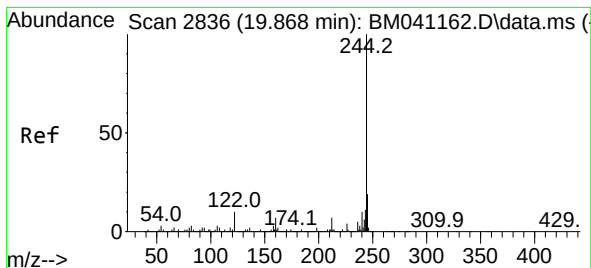
Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 17.1 14.1 21.1





#79

Terphenyl-d14

Concen: 37.459 ng

RT: 19.839 min Scan# 2831

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

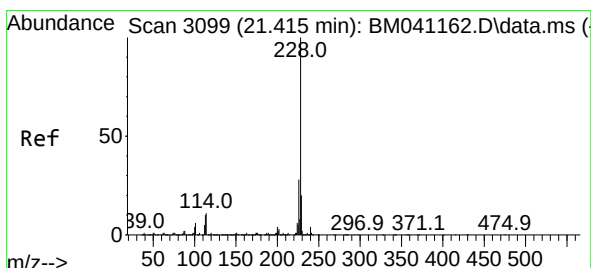
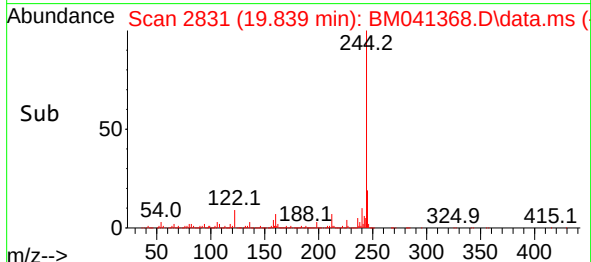
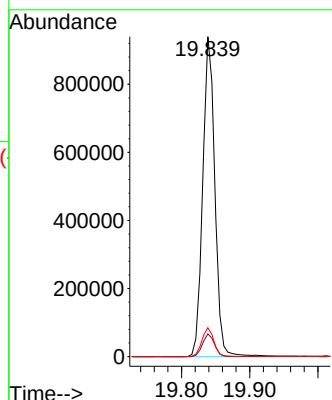
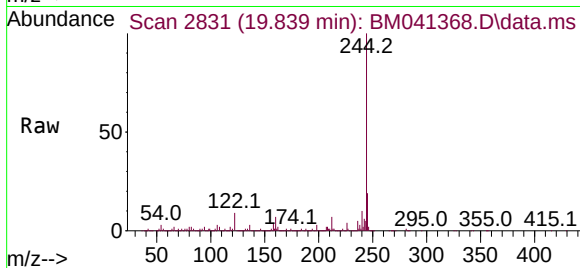
Tgt Ion:244 Resp: 1162706

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 9.0 7.8 11.6



#81

Benzo(a)anthracene

Concen: 4.413 ng

RT: 21.391 min Scan# 3095

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

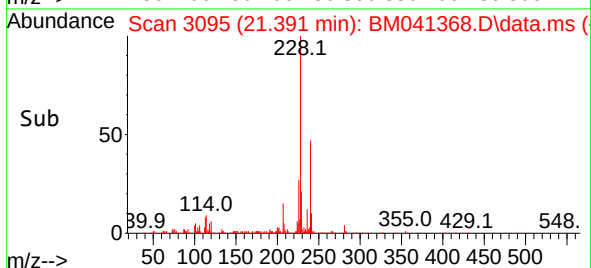
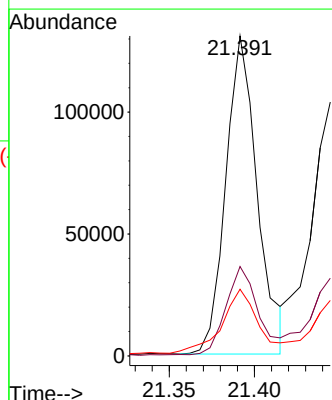
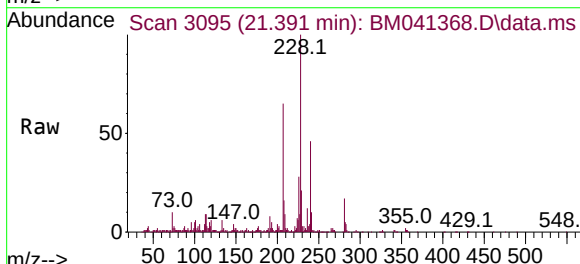
Tgt Ion:228 Resp: 167889

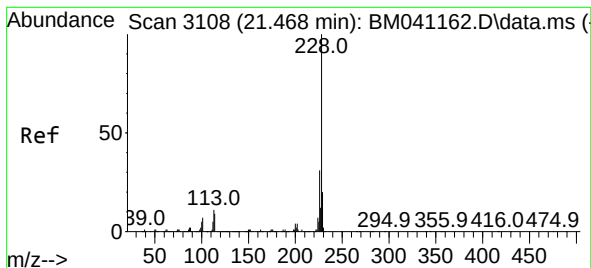
Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 20.8 15.8 23.8





#83

Chrysene

Concen: 4.085 ng

RT: 21.444 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

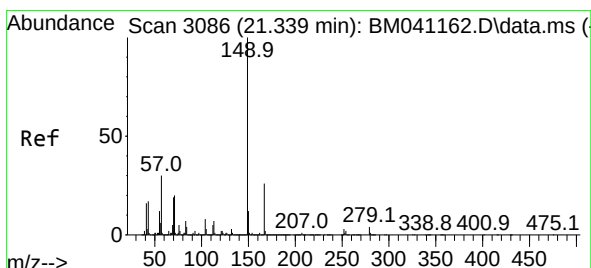
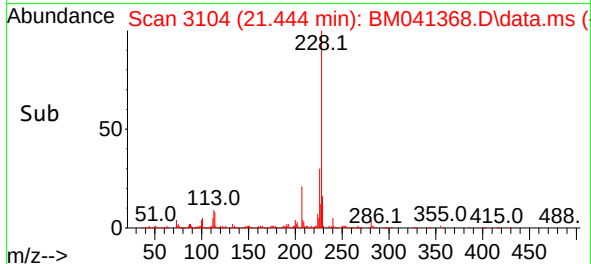
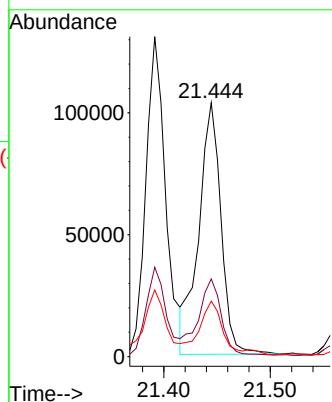
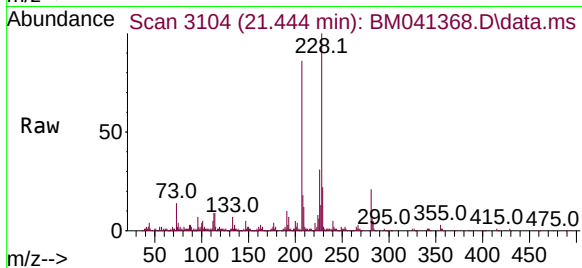
Tgt Ion:228 Resp: 150339

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 21.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.676 ng

RT: 21.315 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

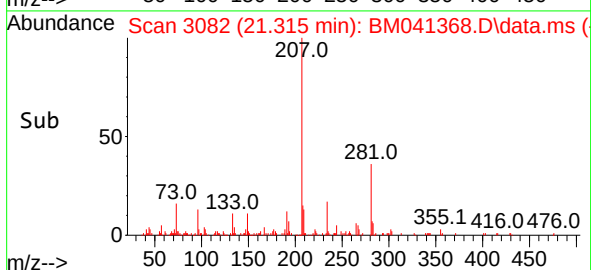
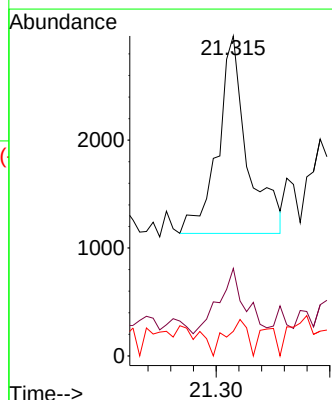
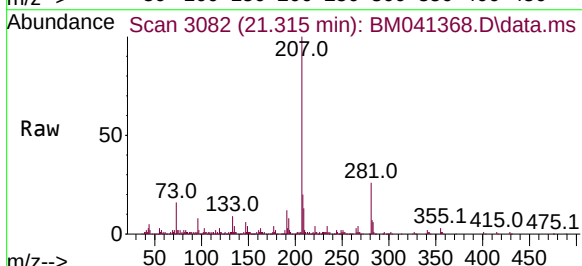
Tgt Ion:149 Resp: 3298

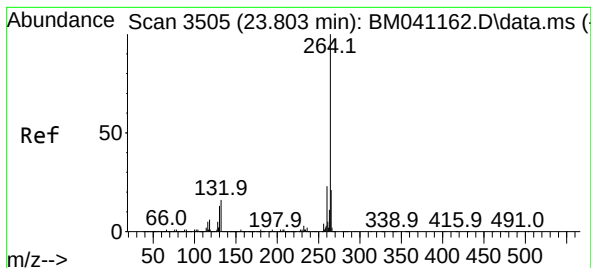
Ion Ratio Lower Upper

149 100

167 27.3 21.0 31.6

279 7.7 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.774 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

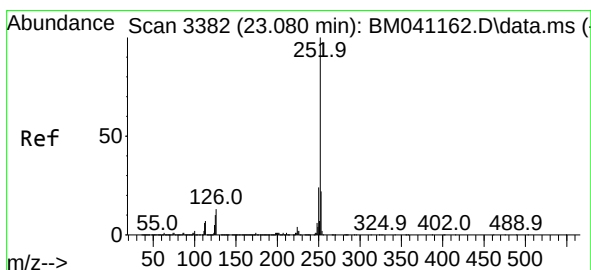
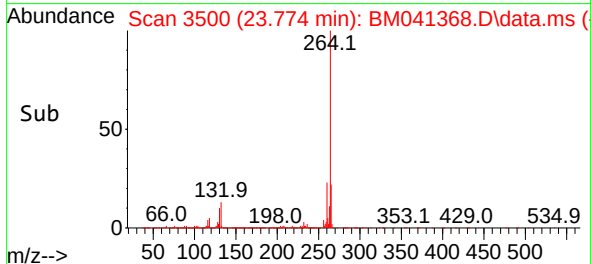
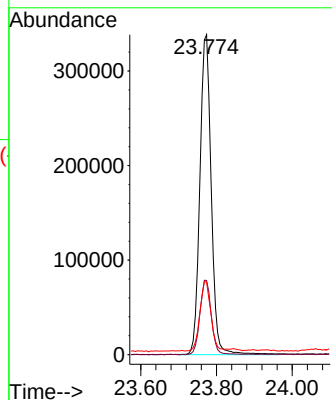
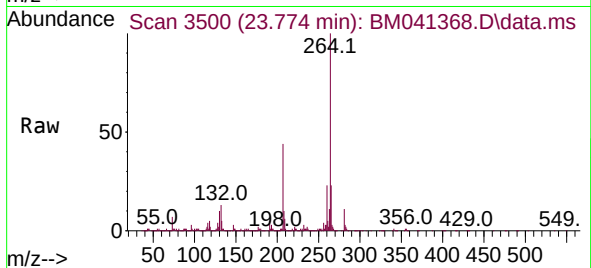
Tgt Ion:264 Resp: 700465

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 22.6 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 4.663 ng

RT: 23.056 min Scan# 3378

Delta R.T. -0.006 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

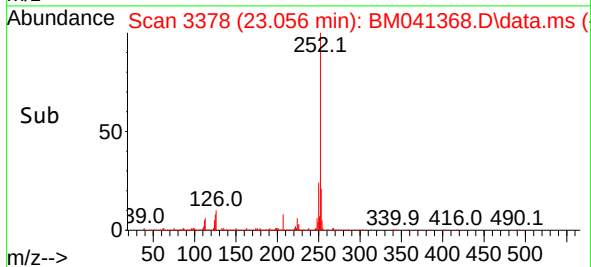
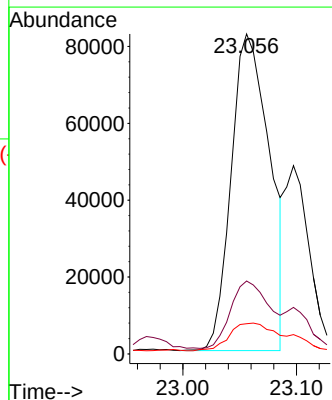
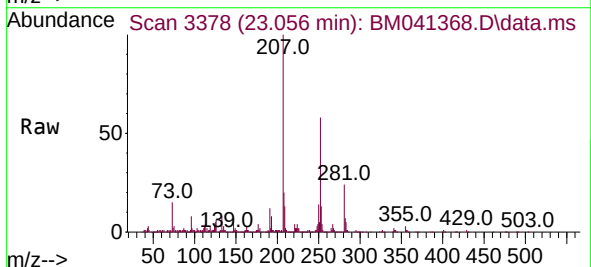
Tgt Ion:252 Resp: 194047

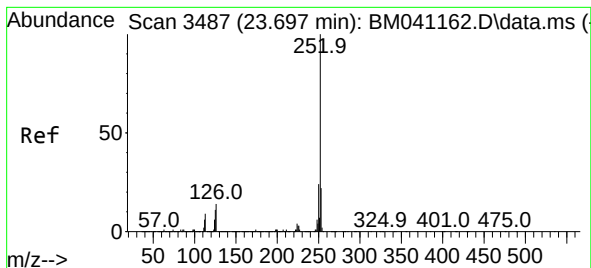
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 9.4 8.2 12.4





#90

Benzo(a)pyrene

Concen: 3.728 ng

RT: 23.668 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Instrument :

BNA_M

ClientSampleId :

WC-22

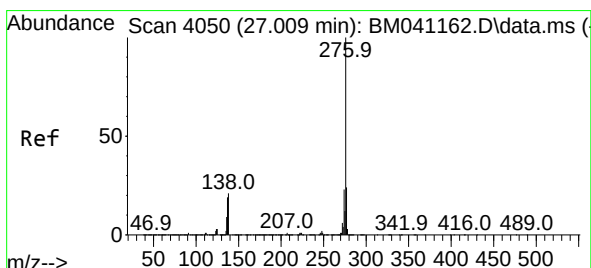
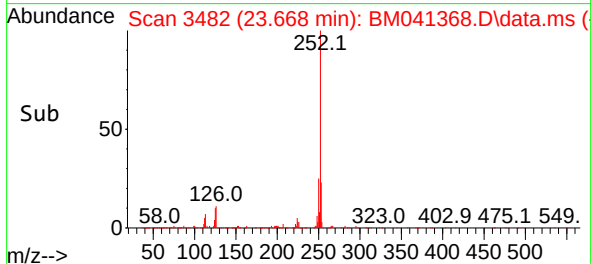
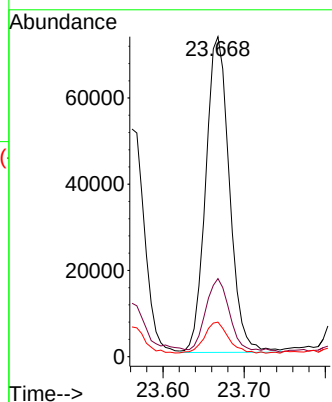
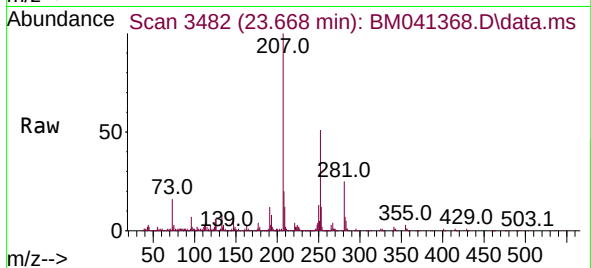
Tgt Ion:252 Resp: 149073

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 10.8 9.0 13.4



#92

Benzo(g,h,i)perylene

Concen: 2.434 ng

RT: 26.968 min Scan# 4043

Delta R.T. -0.018 min

Lab File: BM041368.D

Acq: 10 Aug 2023 18:25

Tgt Ion:276 Resp: 102282

Ion Ratio Lower Upper

276 100

277 22.1 19.1 28.7

138 18.0 17.1 25.7

