

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042572.D
 Acq On : 03 Nov 2023 16:11
 Operator : MA/JU
 Sample : 05172-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AU-05-103123

Quant Time: Nov 03 16:48:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

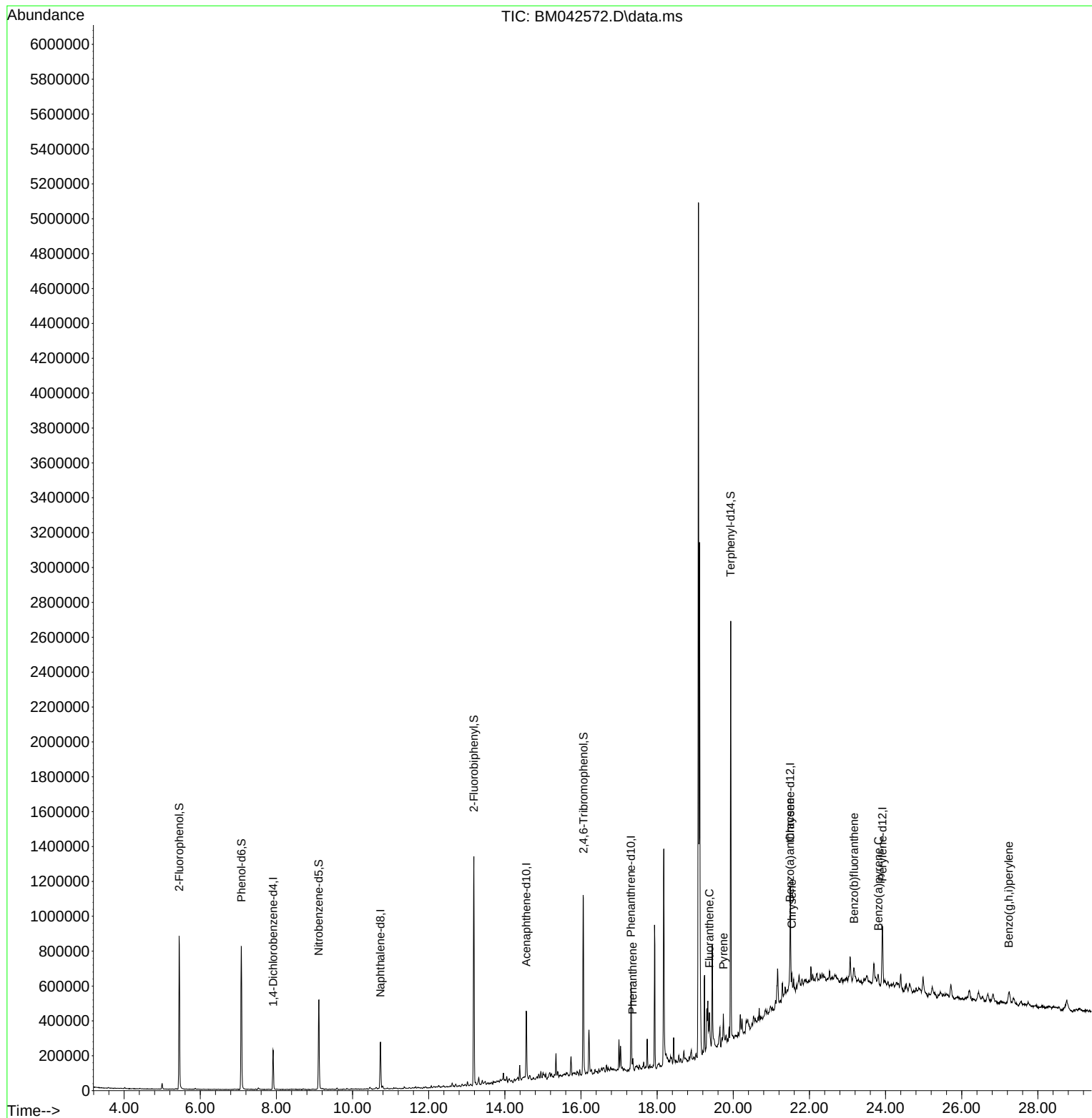
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	52266	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	195125	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	122814	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	266269	20.000	ng	0.00
76) Chrysene-d12	21.497	240	255065	20.000	ng	0.00
86) Perylene-d12	23.915	264	272161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	313940	96.939	ng	0.00
7) Phenol-d6	7.081	99	394429	88.805	ng	0.00
23) Nitrobenzene-d5	9.110	82	279091	66.676	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	167092	104.208	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	571342	62.599	ng	0.00
79) Terphenyl-d14	19.933	244	985126	65.489	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.357	178	35999	2.587	ng	98
75) Fluoranthene	19.374	202	84739	5.184	ng	95
78) Pyrene	19.739	202	93718	5.351	ng	97
81) Benzo(a)anthracene	21.486	228	47652	2.936	ng	# 95
83) Chrysene	21.539	228	61381	3.723	ng	# 91
88) Benzo(b)fluoranthene	23.174	252	67527	4.454	ng	# 85
90) Benzo(a)pyrene	23.809	252	43591	2.920	ng	# 86
92) Benzo(g,h,i)perylene	27.238	276	38356	2.687	ng	96

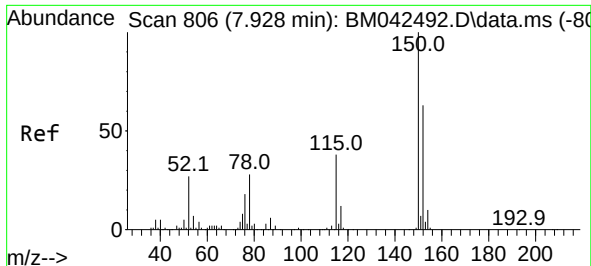
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
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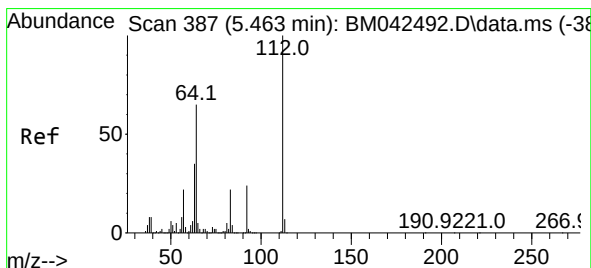
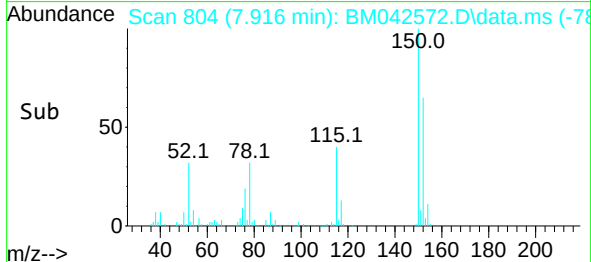
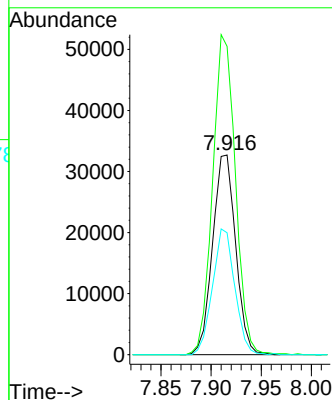
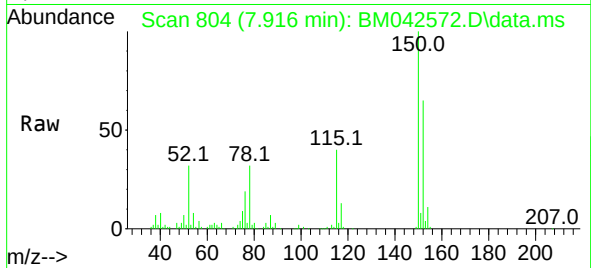




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

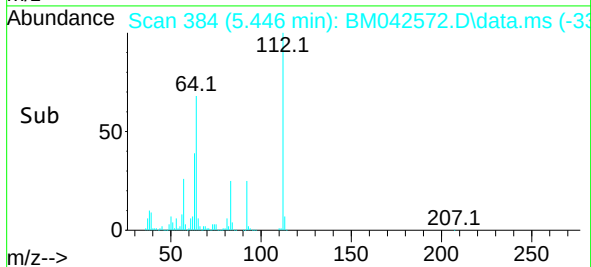
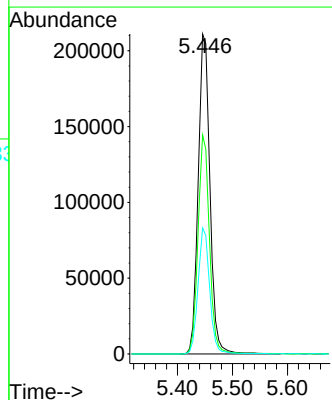
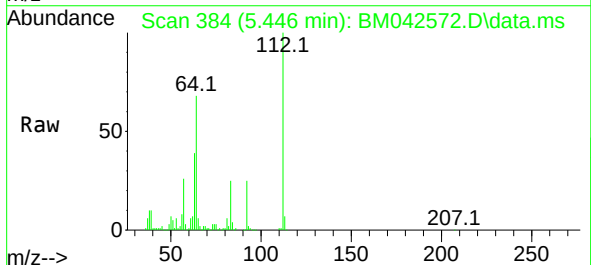
Instrument :
BNA_M
ClientSampleId :
AU-05-103123

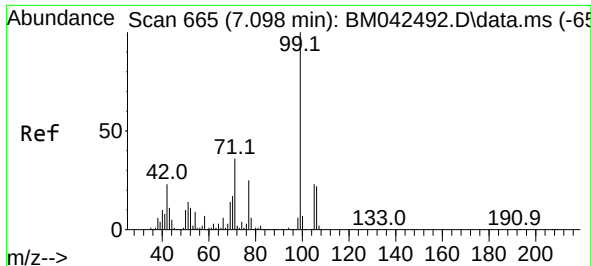
Tgt Ion:152 Resp: 52266
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.0
115 61.1 47.9 71.9



#5
2-Fluorophenol
Concen: 96.939 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.005 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

Tgt Ion:112 Resp: 313940
Ion Ratio Lower Upper
112 100
64 68.5 52.1 78.1
63 39.4 28.3 42.5

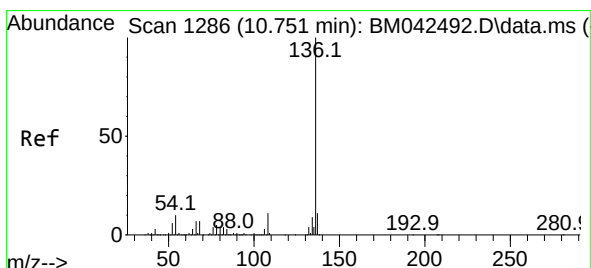
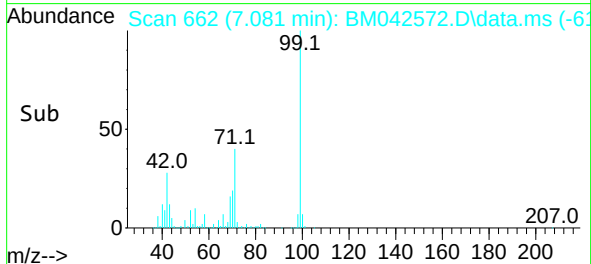
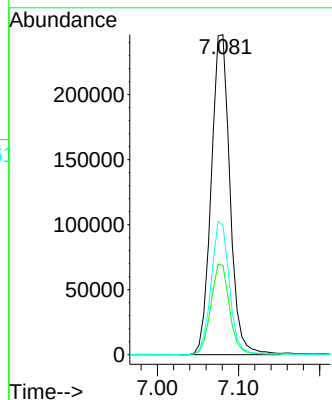
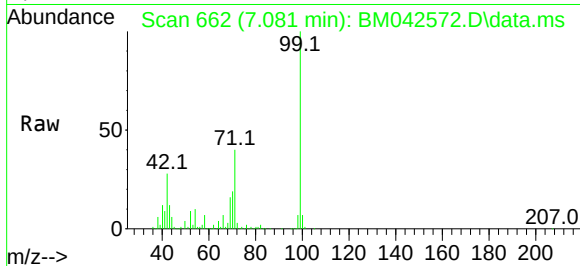




#7
Phenol-d6
Concen: 88.805 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

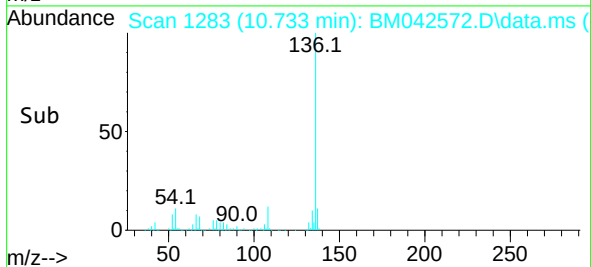
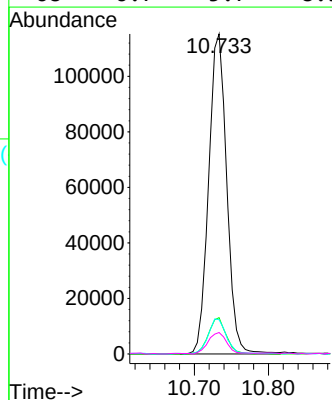
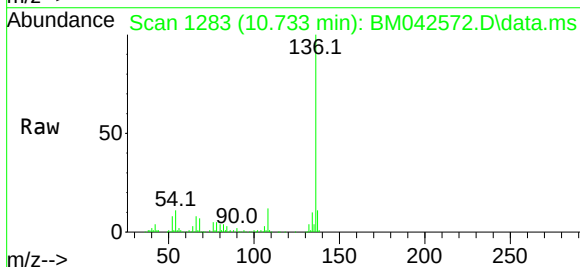
Instrument :
BNA_M
ClientSampleId :
AU-05-103123

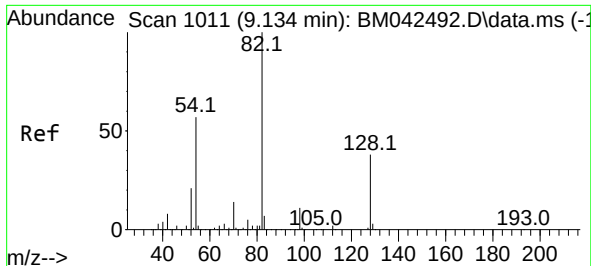
Tgt Ion: 99 Resp: 394429
Ion Ratio Lower Upper
99 100
42 27.9 18.7 28.1
71 40.5 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.005 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

Tgt Ion:136 Resp: 195125
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 10.7 8.0 12.0
68 6.7 5.7 8.5

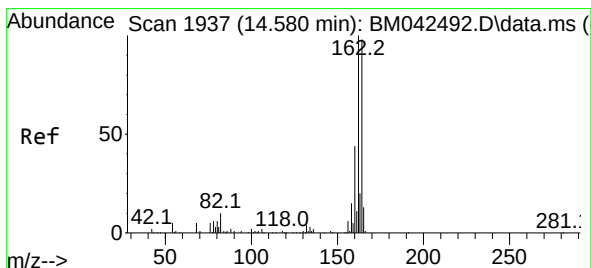
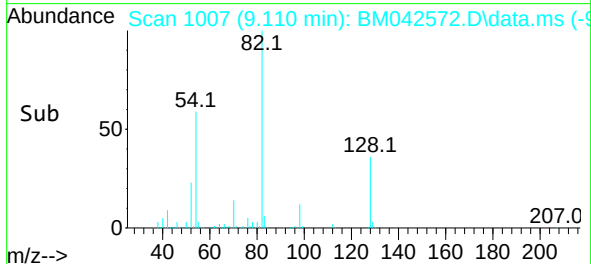
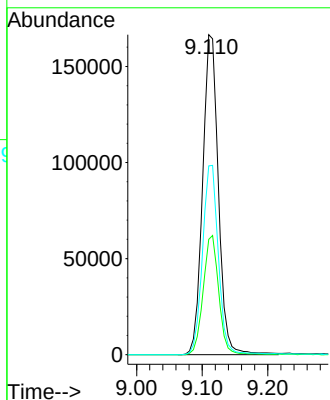
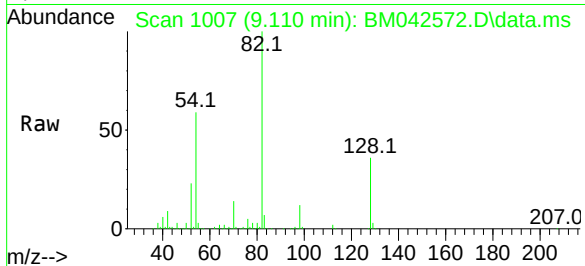




#23
Nitrobenzene-d5
Concen: 66.676 ng
RT: 9.110 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

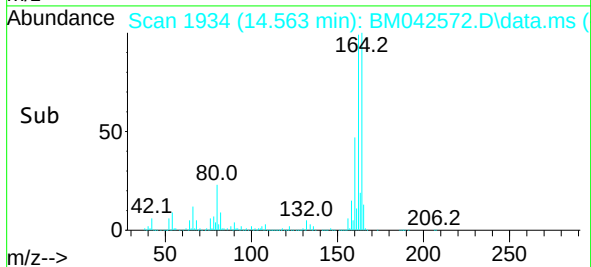
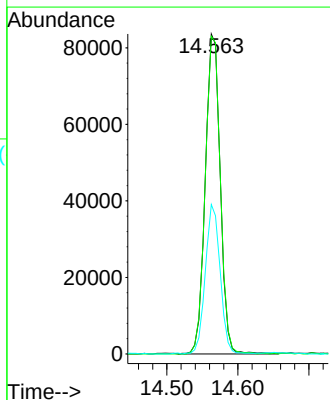
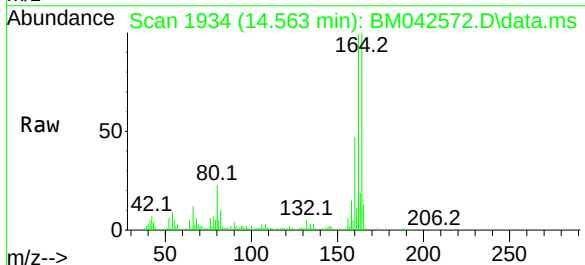
Instrument :
BNA_M
ClientSampleId :
AU-05-103123

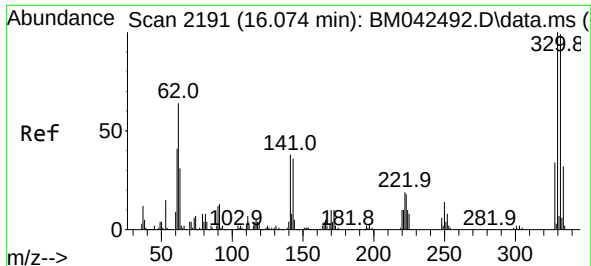
Tgt Ion: 82 Resp: 279091
Ion Ratio Lower Upper
82 100
128 36.1 30.7 46.1
54 59.0 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

Tgt Ion:164 Resp: 122814
Ion Ratio Lower Upper
164 100
162 99.3 81.6 122.4
160 46.7 36.2 54.4

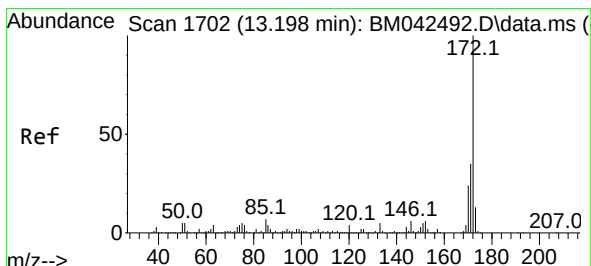
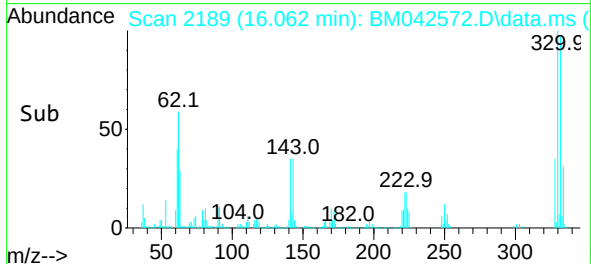
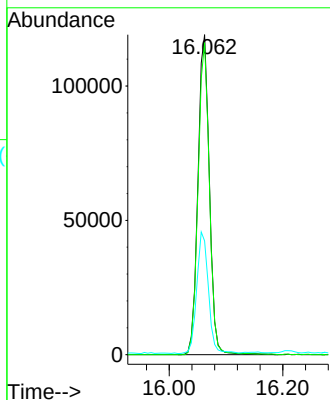
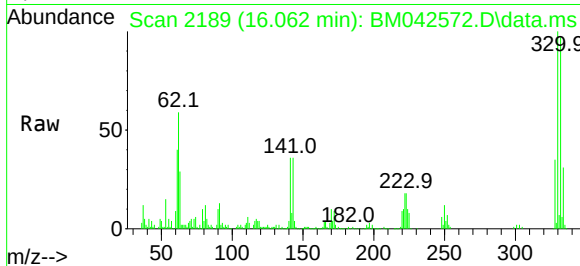




#42
 2,4,6-Tribromophenol
 Concen: 104.208 ng
 RT: 16.062 min Scan# 2191
 Delta R.T. -0.000 min
 Lab File: BM042572.D
 Acq: 03 Nov 2023 16:11

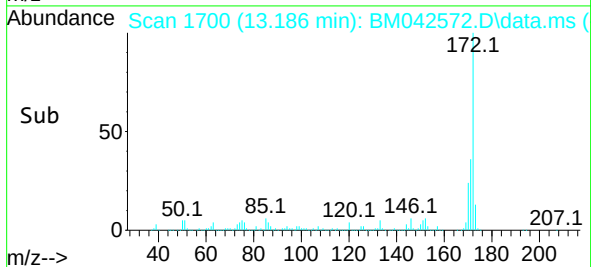
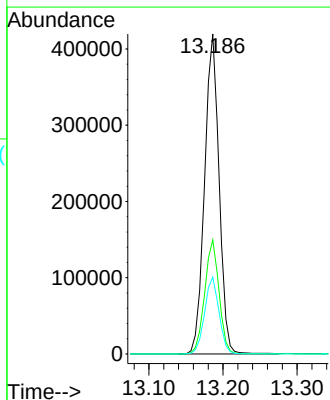
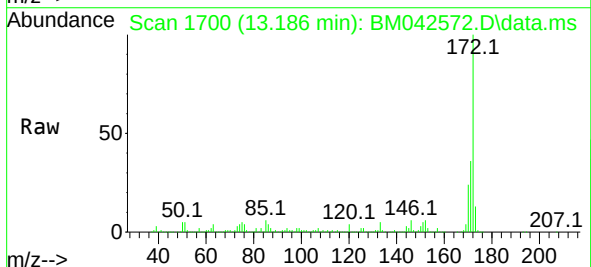
Instrument :
 BNA_M
 ClientSampleId :
 AU-05-103123

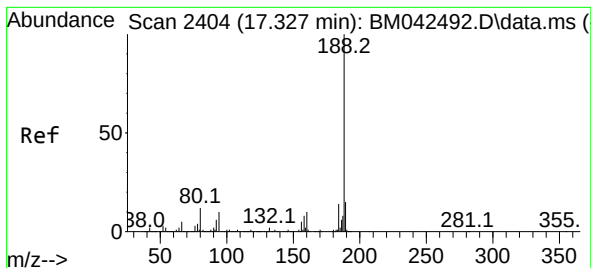
Tgt Ion:330 Resp: 167092
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.8 118.2
 141 38.6 31.1 46.7



#45
 2-Fluorobiphenyl
 Concen: 62.599 ng
 RT: 13.186 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: BM042572.D
 Acq: 03 Nov 2023 16:11

Tgt Ion:172 Resp: 571342
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.2 42.2
 170 24.0 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

Instrument :

BNA_M

ClientSampleId :

AU-05-103123

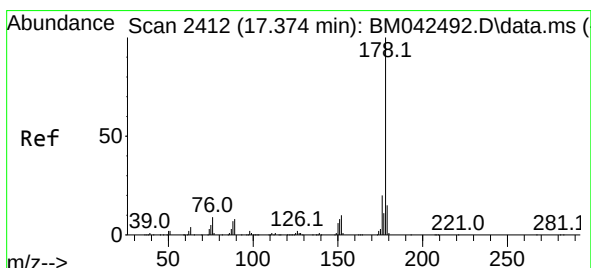
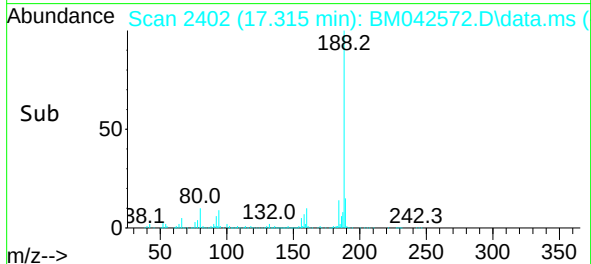
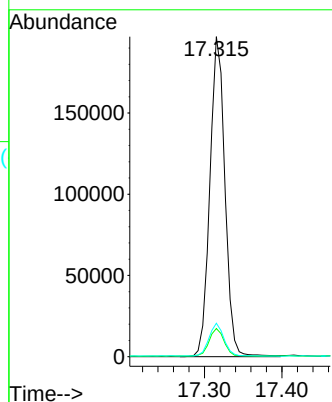
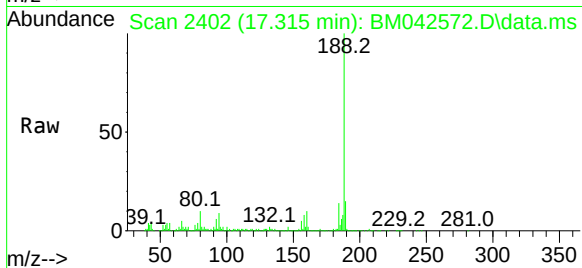
Tgt Ion:188 Resp: 266269

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.4

80 10.5 9.4 14.2



#71

Phenanthrene

Concen: 2.587 ng

RT: 17.357 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

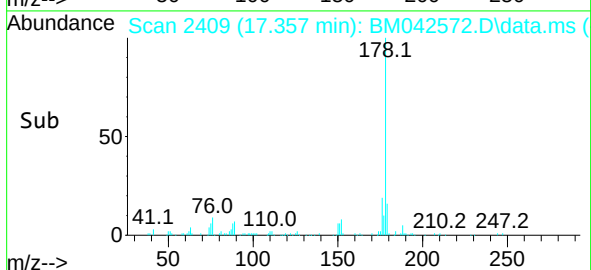
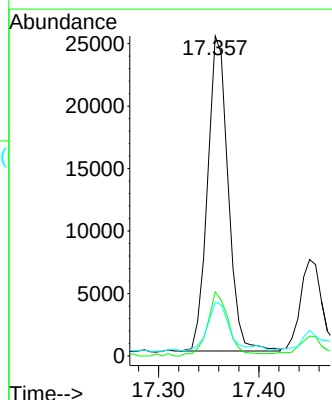
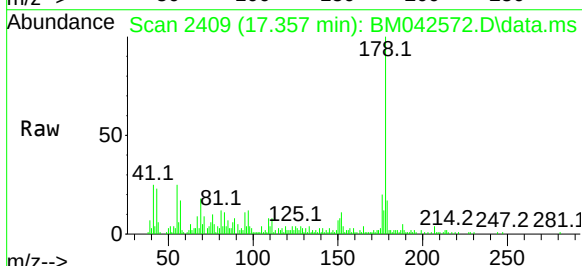
Tgt Ion:178 Resp: 35999

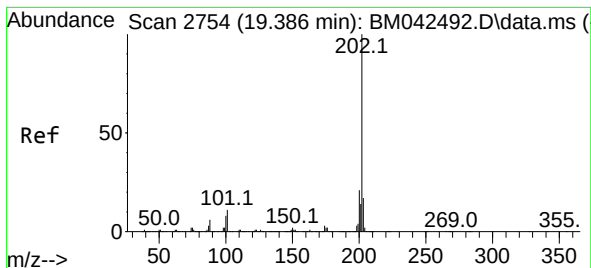
Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

179 16.8 12.2 18.4





#75

Fluoranthene

Concen: 5.184 ng

RT: 19.374 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

Instrument :

BNA_M

ClientSampleId :

AU-05-103123

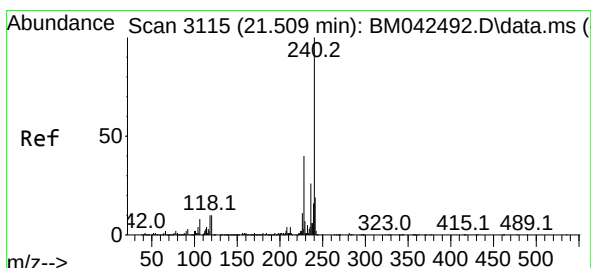
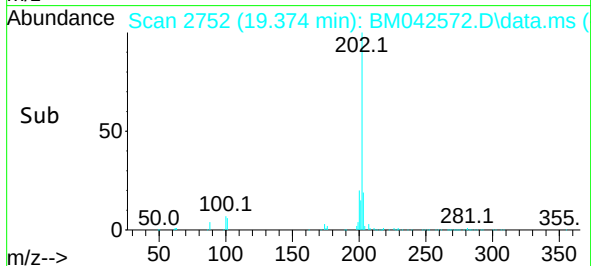
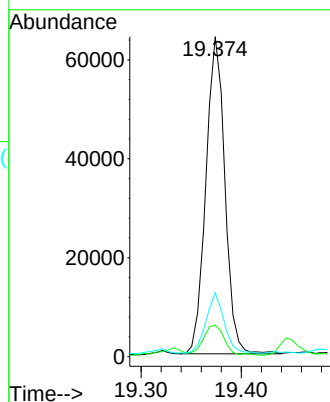
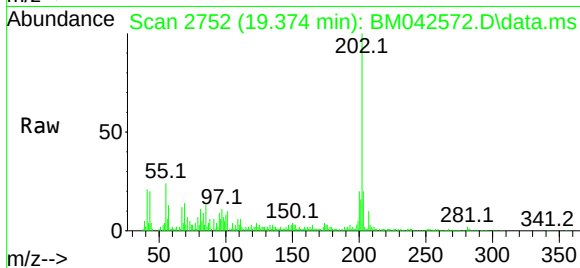
Tgt Ion:202 Resp: 84739

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.5

203 20.0 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.497 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

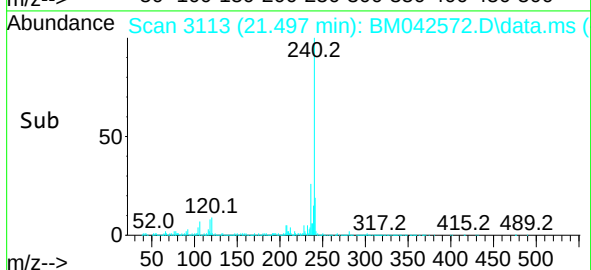
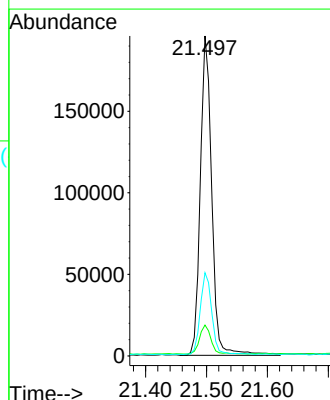
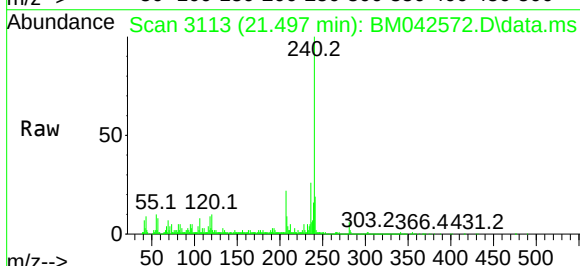
Tgt Ion:240 Resp: 255065

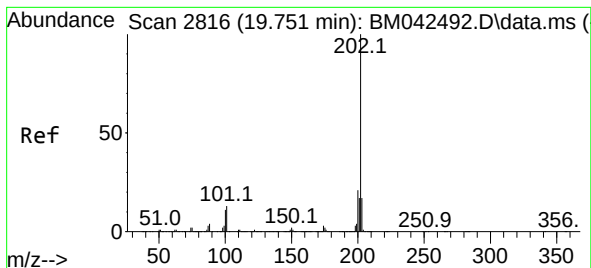
Ion Ratio Lower Upper

240 100

120 9.7 8.3 12.5

236 26.0 20.8 31.2





#78

Pyrene

Concen: 5.351 ng

RT: 19.739 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

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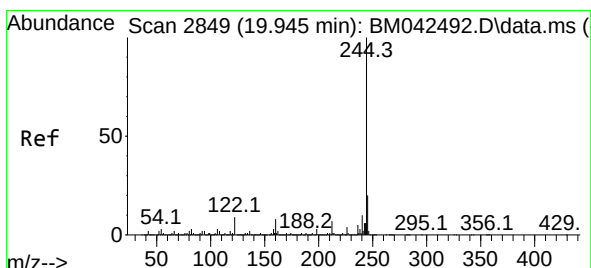
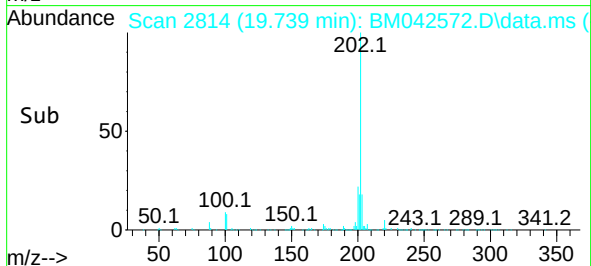
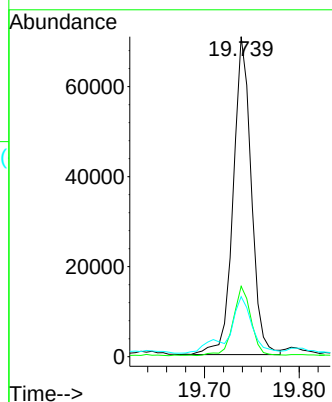
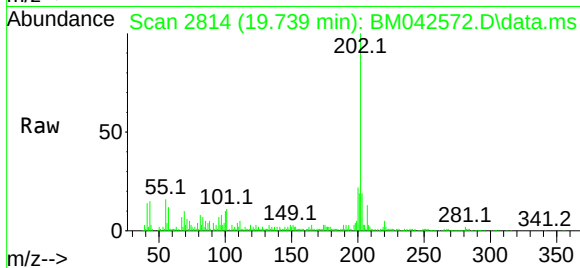
Tgt Ion:202 Resp: 93718

Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

203 18.8 13.7 20.5



#79

Terphenyl-d14

Concen: 65.489 ng

RT: 19.933 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

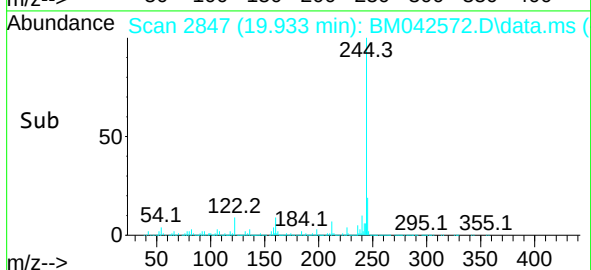
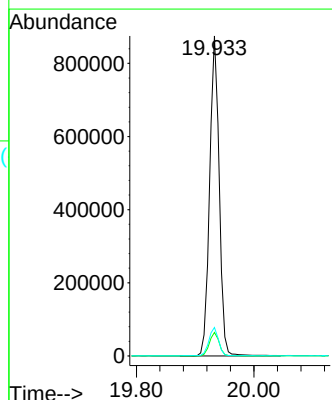
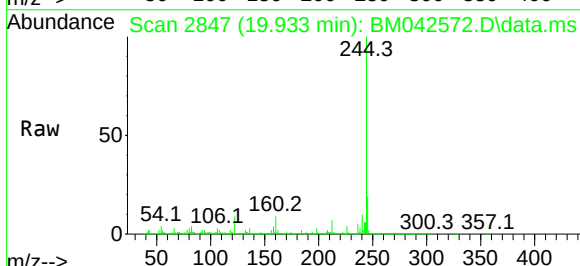
Tgt Ion:244 Resp: 985126

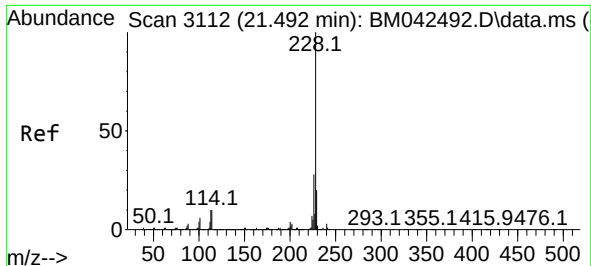
Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 8.9 7.2 10.8

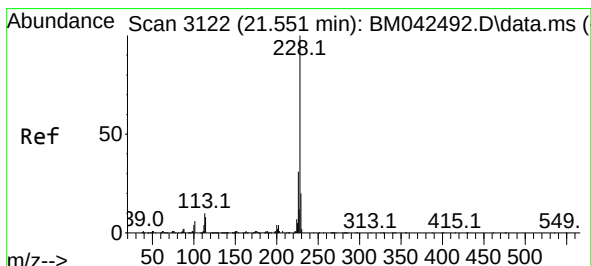
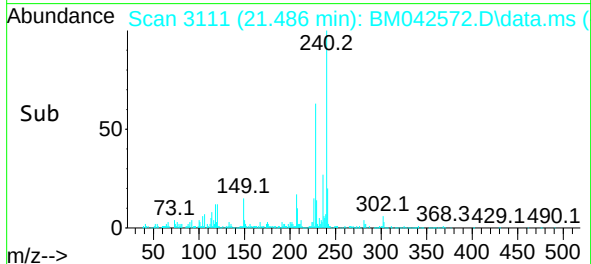
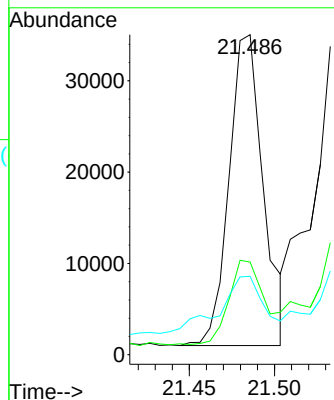
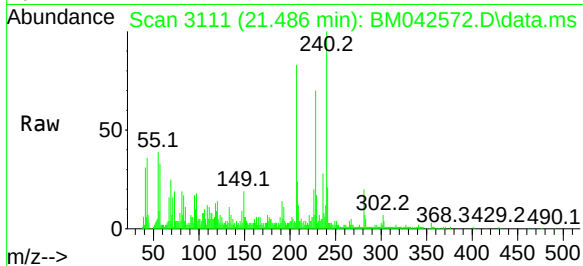




#81
Benzo(a)anthracene
Concen: 2.936 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

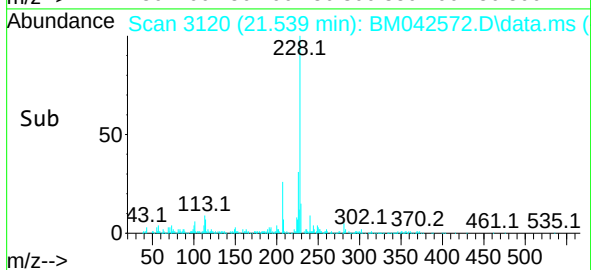
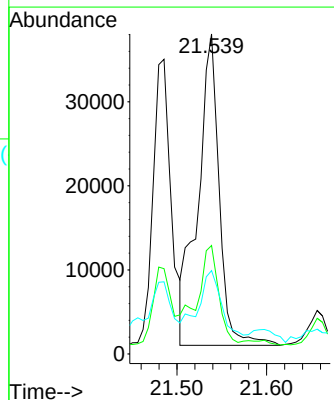
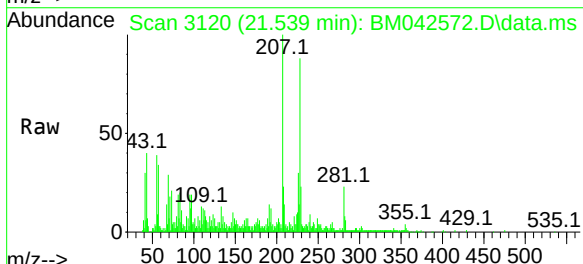
Instrument :
BNA_M
ClientSampleId :
AU-05-103123

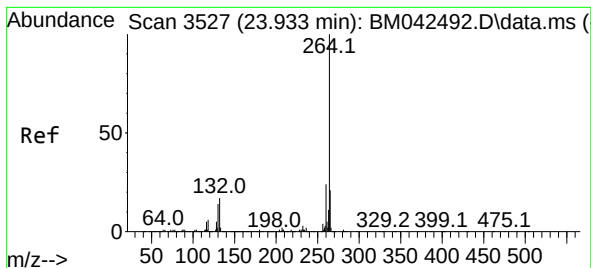
Tgt Ion:228 Resp: 47652
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 24.5 15.8 23.8#



#83
Chrysene
Concen: 3.723 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

Tgt Ion:228 Resp: 61381
Ion Ratio Lower Upper
228 100
226 33.9 24.4 36.6
229 26.1 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.915 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

Instrument :

BNA_M

ClientSampleId :

AU-05-103123

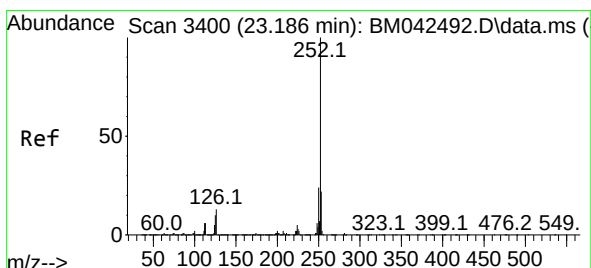
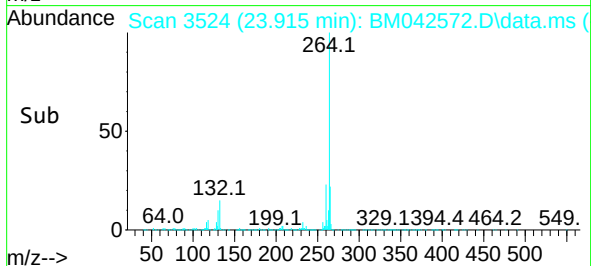
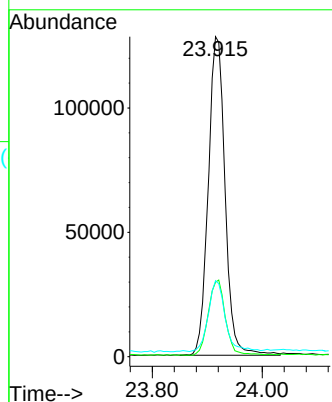
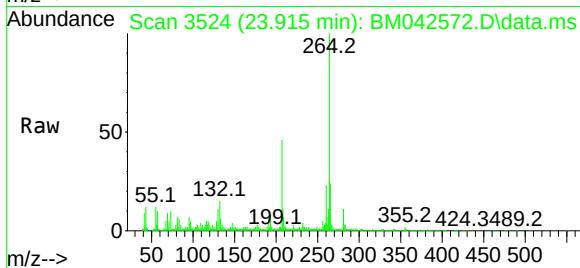
Tgt Ion:264 Resp: 272161

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 23.7 18.7 28.1



#88

Benzo(b)fluoranthene

Concen: 4.454 ng

RT: 23.174 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM042572.D

Acq: 03 Nov 2023 16:11

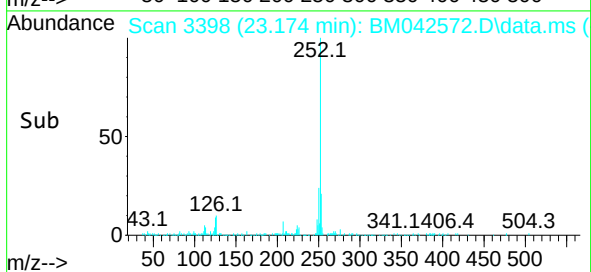
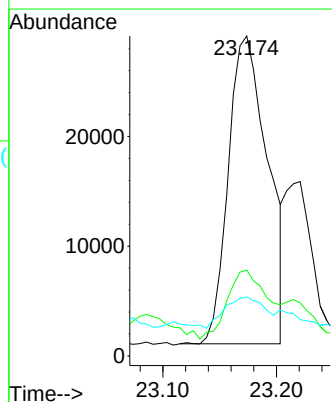
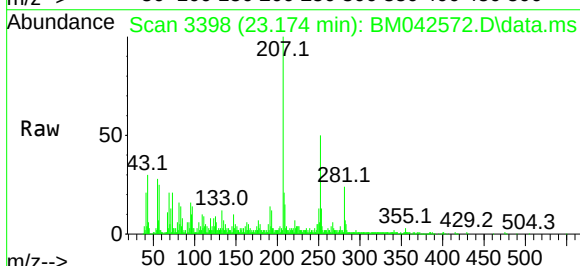
Tgt Ion:252 Resp: 67527

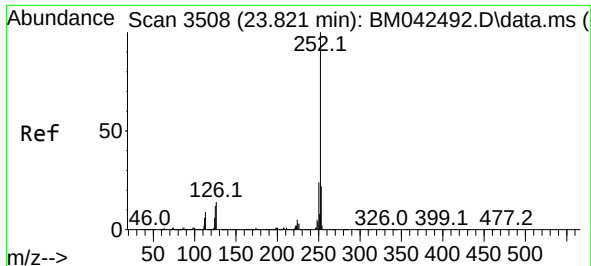
Ion Ratio Lower Upper

252 100

253 26.9 17.5 26.3#

125 18.5 7.8 11.6#

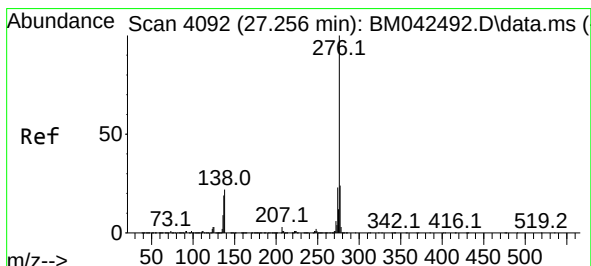
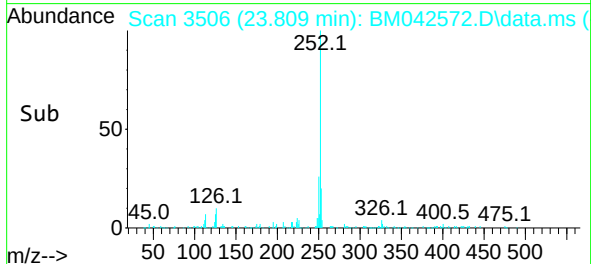
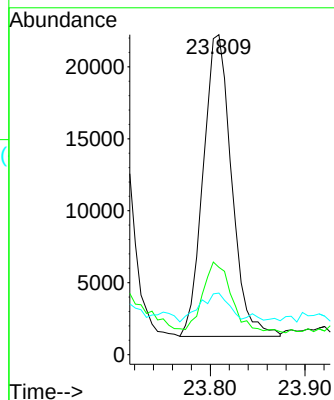
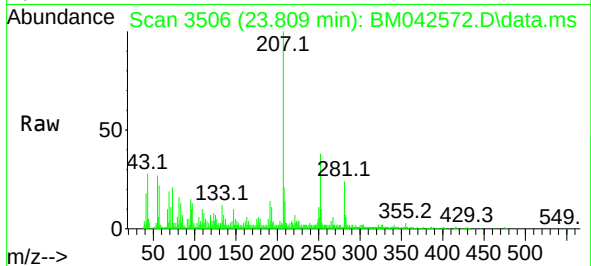




#90
Benzo(a)pyrene
Concen: 2.920 ng
RT: 23.809 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

Instrument :
BNA_M
ClientSampleId :
AU-05-103123

Tgt Ion:252 Resp: 43591
Ion Ratio Lower Upper
252 100
253 27.3 17.5 26.3#
125 19.2 9.4 14.2#



#92
Benzo(g,h,i)perylene
Concen: 2.687 ng
RT: 27.238 min Scan# 4089
Delta R.T. -0.006 min
Lab File: BM042572.D
Acq: 03 Nov 2023 16:11

Tgt Ion:276 Resp: 38356
Ion Ratio Lower Upper
276 100
277 26.6 19.2 28.8
138 22.5 17.3 25.9

