

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080223\
 Data File : BM041246.D
 Acq On : 02 Aug 2023 15:53
 Operator : MA/JU
 Sample : 03810-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-P7A

Quant Time: Aug 03 03:08:13 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 02 19:20:51 2023
 Response via : Initial Calibration

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

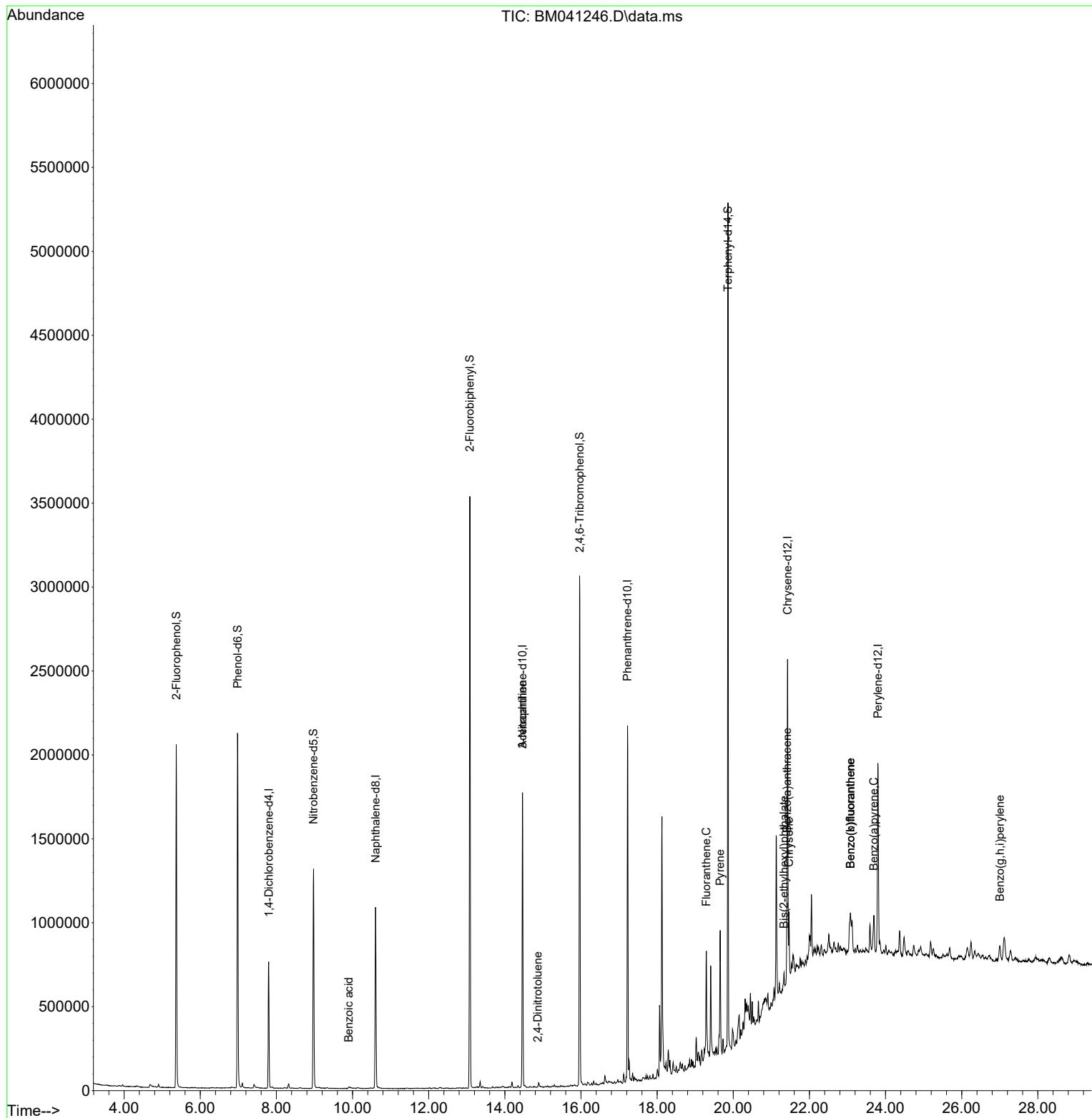
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	196989	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	851306	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	567040	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1236893	20.000	ng	0.00
76) Chrysene-d12	21.427	240	825913	20.000	ng	0.00
86) Perylene-d12	23.797	264	836373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	847641	64.312	ng	0.00
7) Phenol-d6	6.981	99	1175657	68.814	ng	0.00
23) Nitrobenzene-d5	8.975	82	745393	40.719	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	579552	72.259	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1728684	38.512	ng	0.00
79) Terphenyl-d14	19.862	244	2405418	52.658	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.898	122	5378	7.634	ng	86
53) 3-Nitroaniline	14.463	138	68	2.584	ng	# 1
57) 2,4-Dinitrotoluene	14.862	165	75	2.676	ng	# 32
75) Fluoranthene	19.292	202	271196	3.513	ng	99
78) Pyrene	19.656	202	427844	7.408	ng	99
81) Benzo(a)anthracene	21.409	228	210215	3.754	ng	98
83) Chrysene	21.462	228	210566	3.888	ng	98
84) Bis(2-ethylhexyl)phtha...	21.333	149	30507	3.402	ng	# 93
88) Benzo(b)fluoranthene	23.080	252	253287	5.098	ng	97
89) Benzo(k)fluoranthene	23.080	252	253287	4.984	ng	# 96
90) Benzo(a)pyrene	23.691	252	172266	3.608	ng	98
92) Benzo(g,h,i)perylene	27.003	276	120568	2.402	ng	96

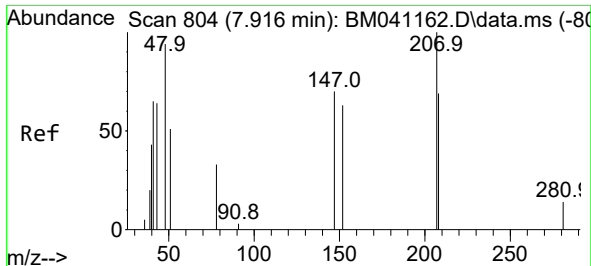
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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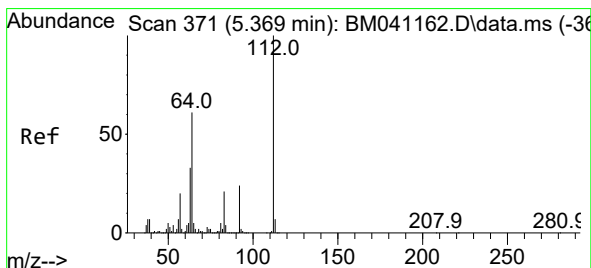
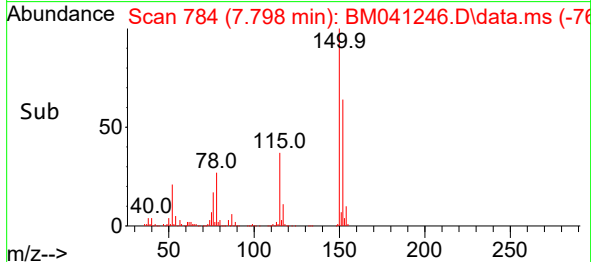
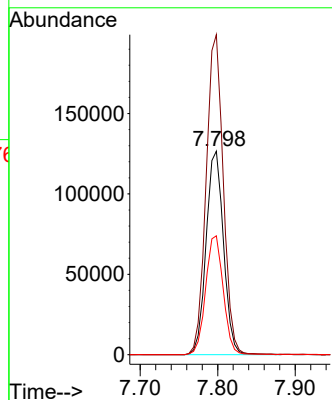
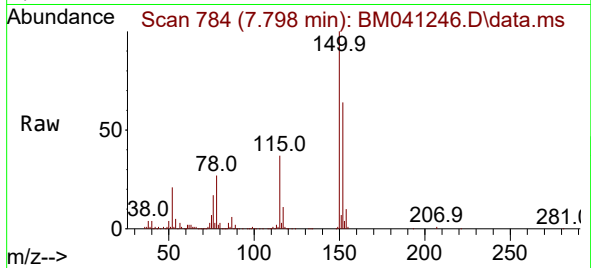




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

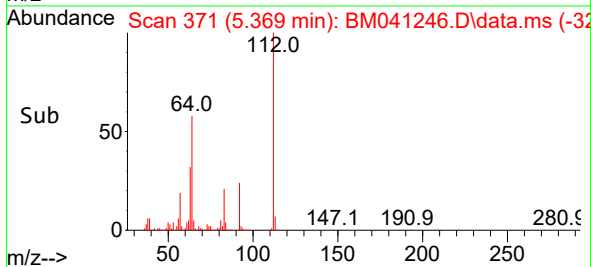
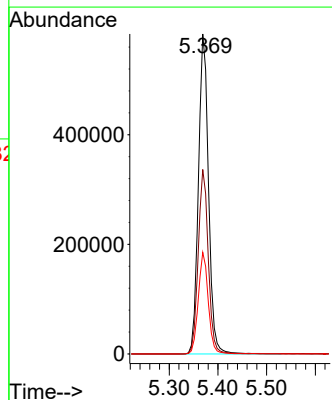
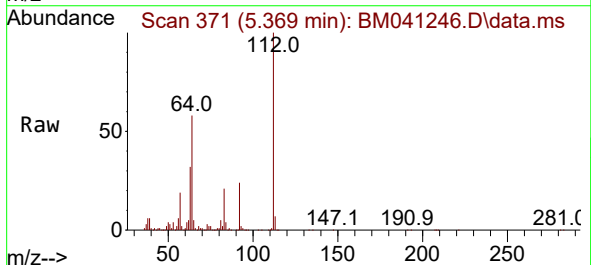
Instrument :
BNA_M
ClientSampleId :
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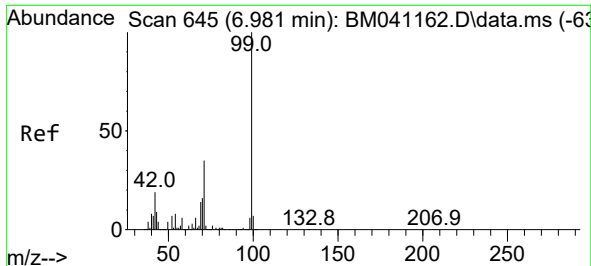
Tgt Ion:152 Resp: 196989
Ion Ratio Lower Upper
152 100
150 157.2 125.5 188.3
115 58.4 48.0 72.0



#5
2-Fluorophenol
Concen: 64.312 ng
RT: 5.369 min Scan# 371
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:112 Resp: 847641
Ion Ratio Lower Upper
112 100
64 57.6 48.5 72.7
63 31.8 26.5 39.7

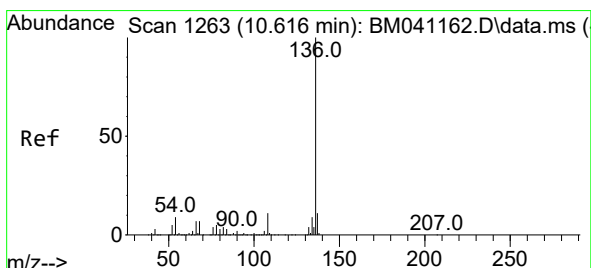
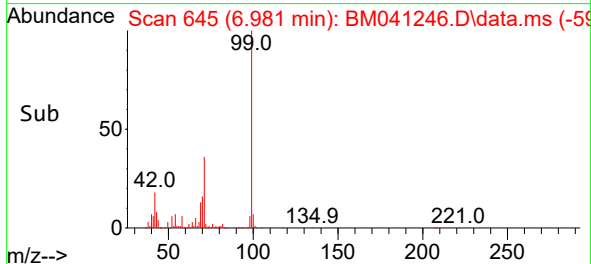
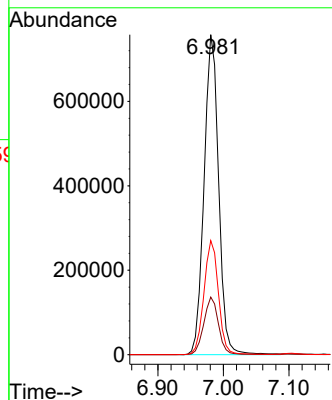
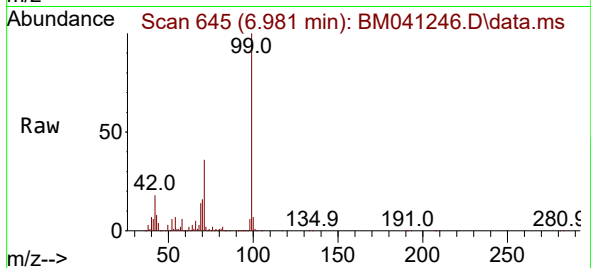




#7
Phenol-d6
Concen: 68.814 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

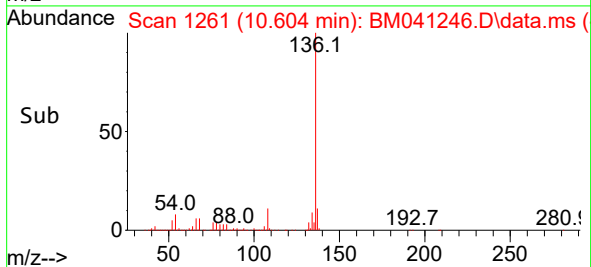
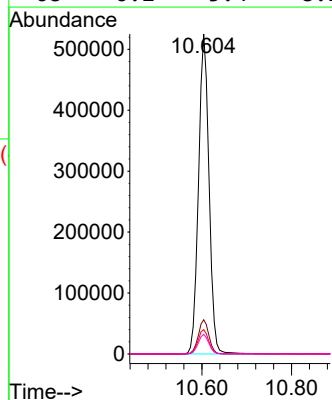
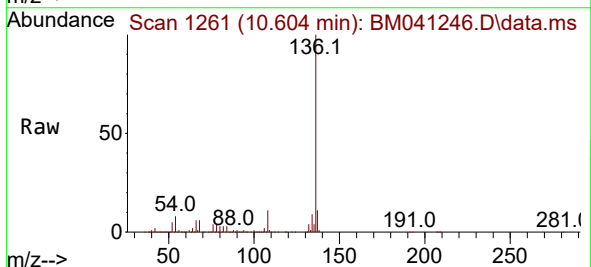
Instrument :
BNA_M
ClientSampleId :
B-P7A

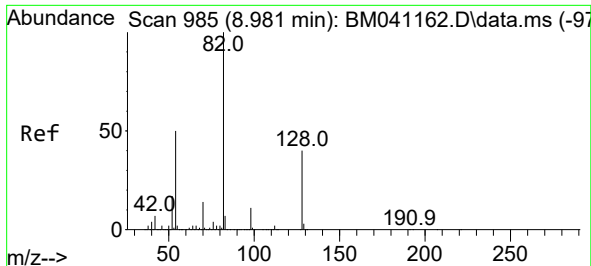
Tgt Ion: 99 Resp: 1175657
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 35.7 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 136 Resp: 851306
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.9 10.3
68 6.2 5.4 8.2

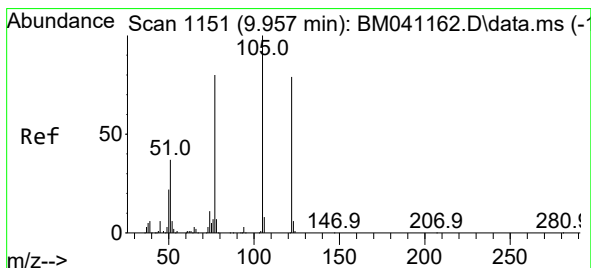
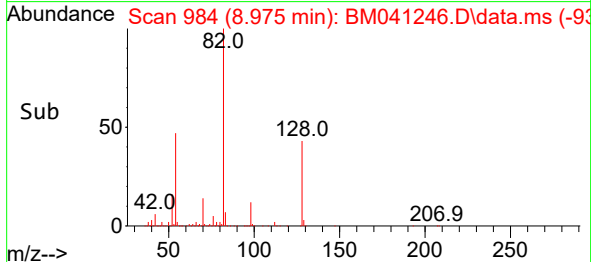
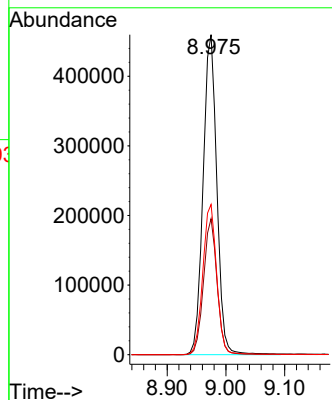
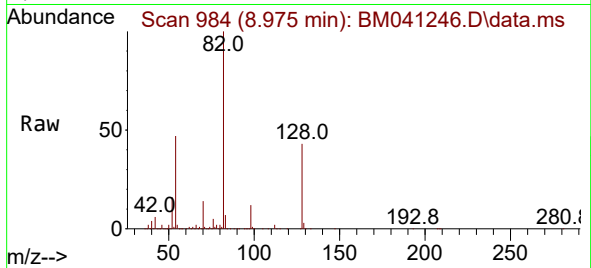




#23
Nitrobenzene-d5
Concen: 40.719 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

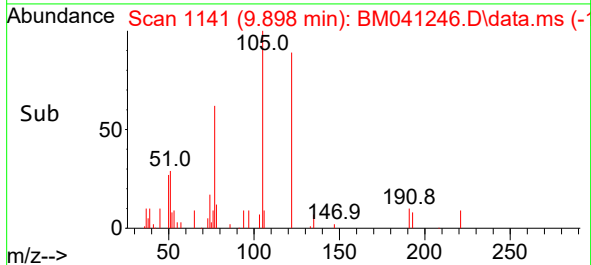
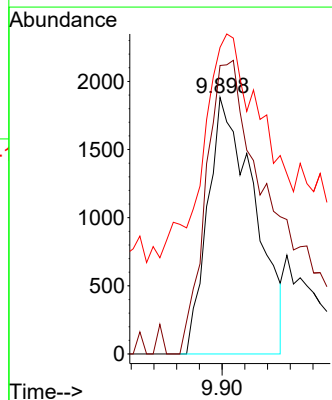
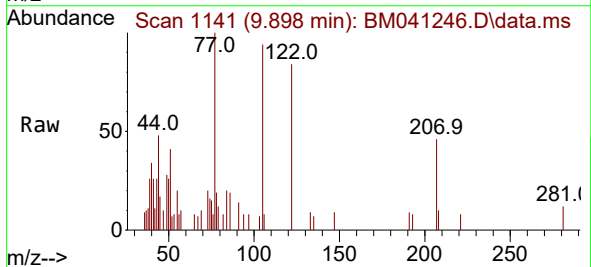
Instrument :
BNA_M
ClientSampleId :
B-P7A

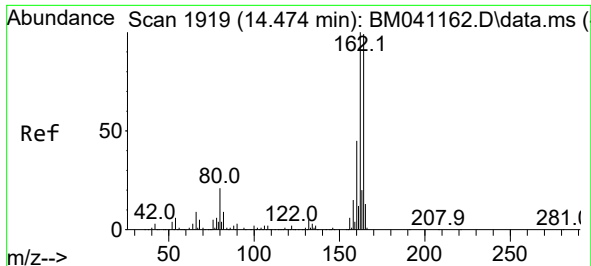
Tgt Ion: 82 Resp: 745393
Ion Ratio Lower Upper
82 100
128 42.5 31.8 47.6
54 47.0 40.1 60.1



#32
Benzoic acid
Concen: 7.634 ng
RT: 9.898 min Scan# 1141
Delta R.T. -0.059 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion: 122 Resp: 5378
Ion Ratio Lower Upper
122 100
105 112.5 104.0 144.0
77 119.6 79.9 119.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

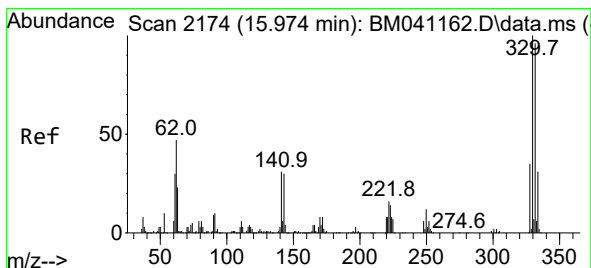
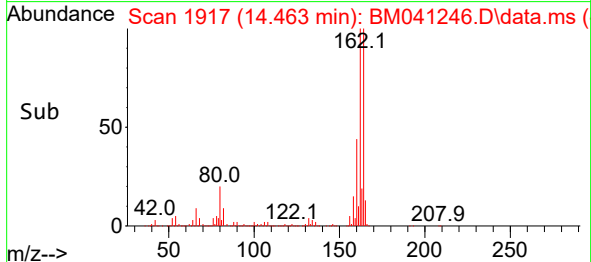
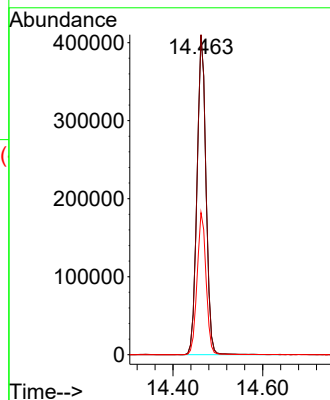
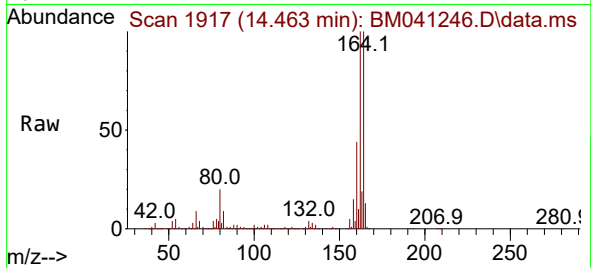
Tgt Ion:164 Resp: 567040

Ion Ratio Lower Upper

164 100

162 100.1 80.4 120.6

160 44.4 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 72.259 ng

RT: 15.968 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

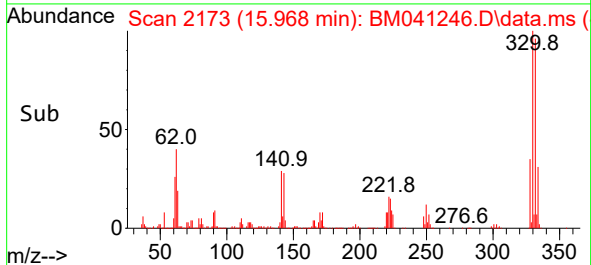
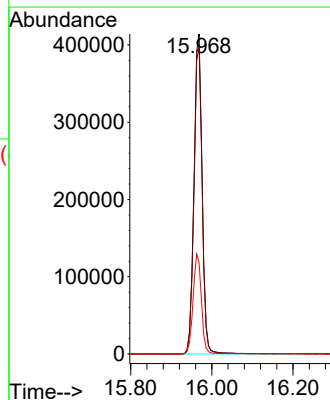
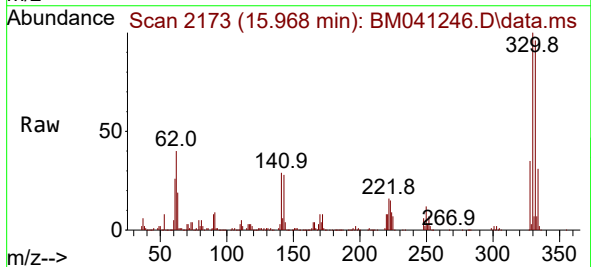
Tgt Ion:330 Resp: 579552

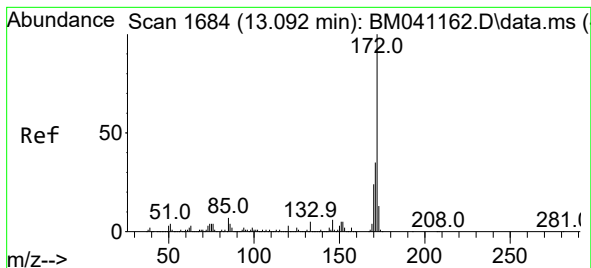
Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 31.9 28.3 42.5





#45

2-Fluorobiphenyl

Concen: 38.512 ng

RT: 13.080 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

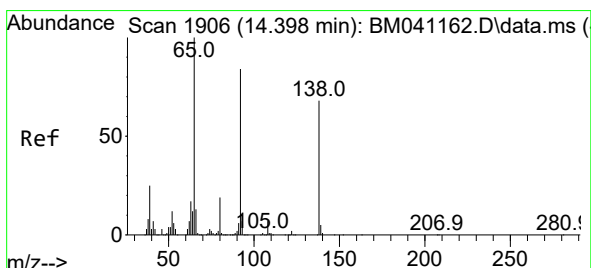
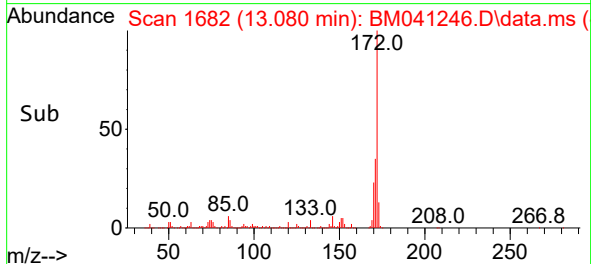
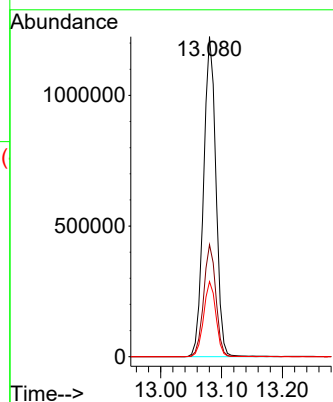
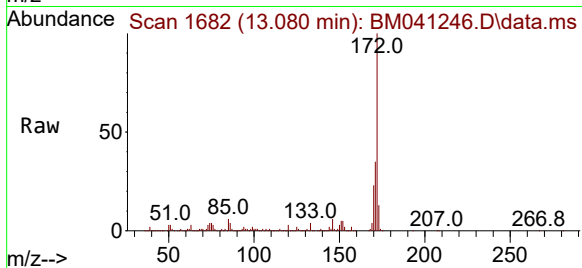
Tgt Ion:172 Resp: 1728684

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.4 18.9 28.3



#53

3-Nitroaniline

Concen: 2.584 ng

RT: 14.463 min Scan# 1917

Delta R.T. 0.070 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

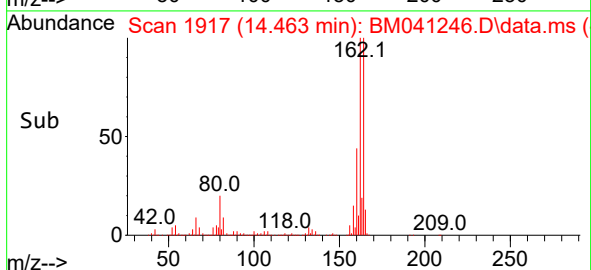
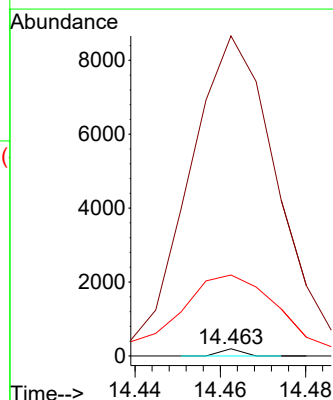
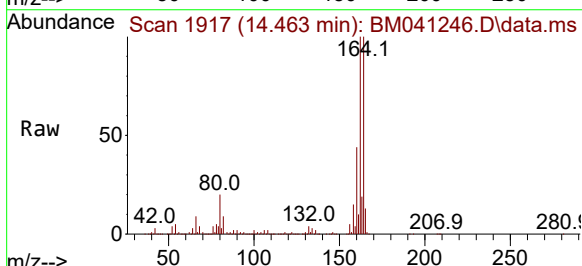
Tgt Ion:138 Resp: 68

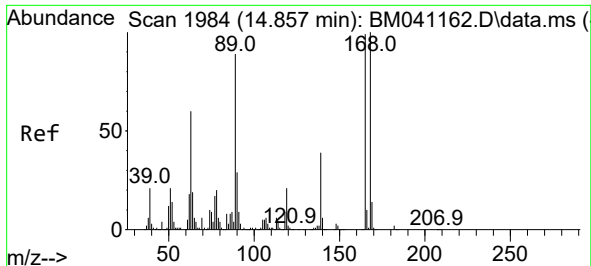
Ion Ratio Lower Upper

138 100

108 4486.5 7.6 11.4#

92 1135.8 98.9 148.3#





#57

2,4-Dinitrotoluene

Concen: 2.676 ng

RT: 14.862 min Scan# 1984

Delta R.T. 0.006 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

Tgt Ion:165 Resp: 75

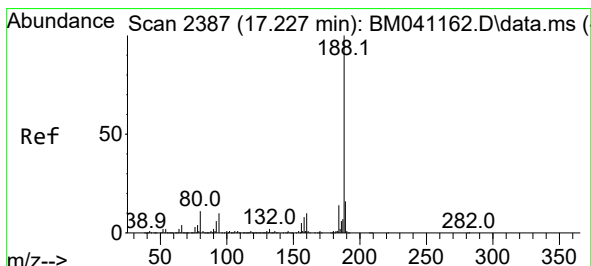
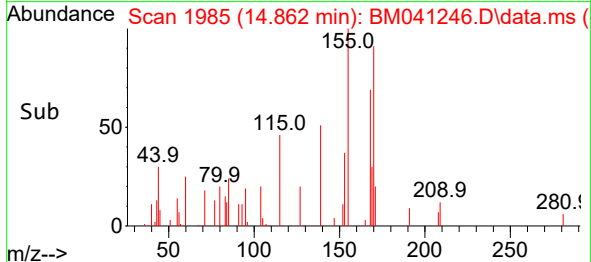
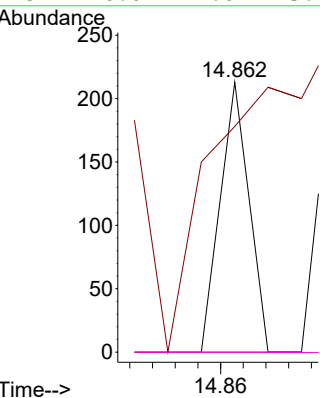
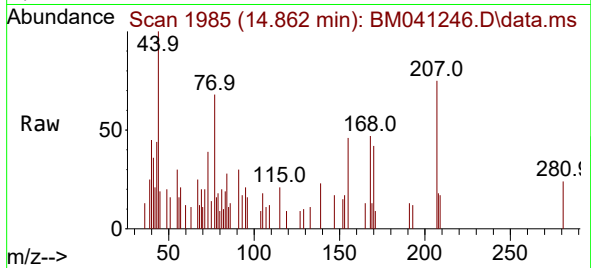
Ion Ratio Lower Upper

165 100

63 83.6 48.3 72.5#

89 0.0 71.8 107.8#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2386

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

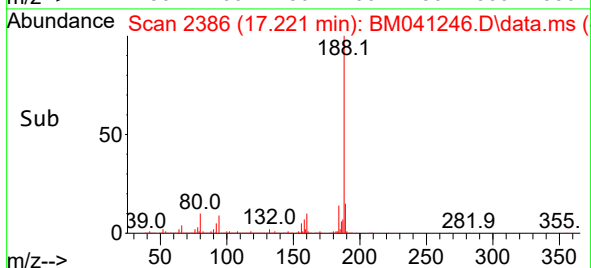
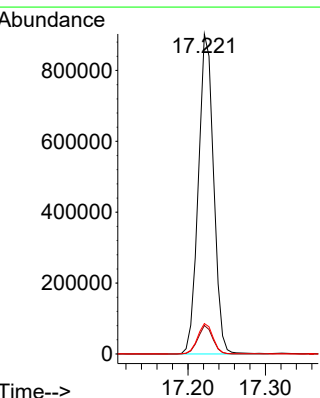
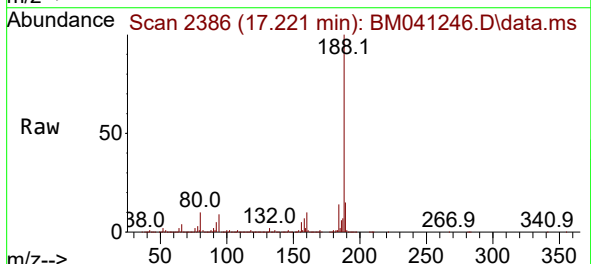
Tgt Ion:188 Resp: 1236893

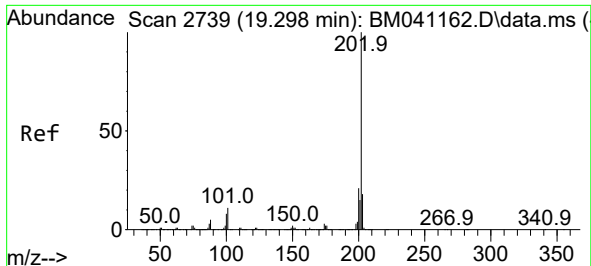
Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

80 9.5 8.6 13.0

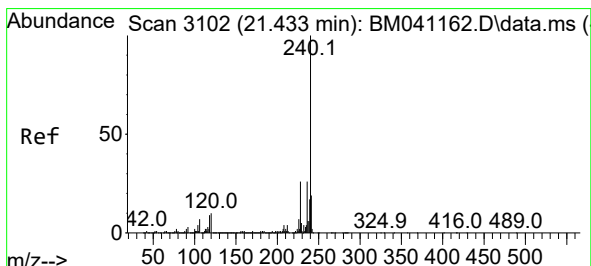
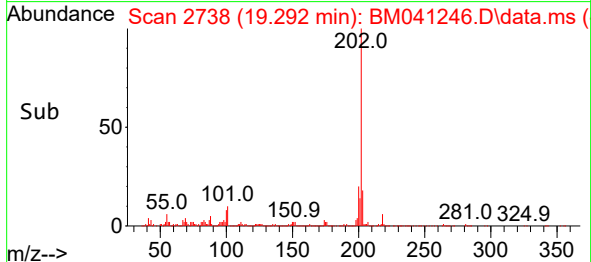
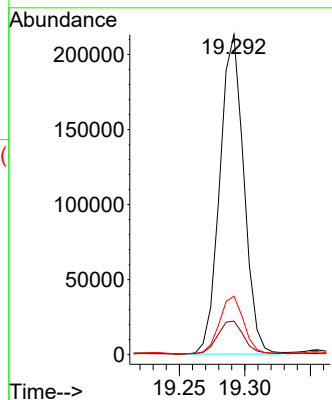
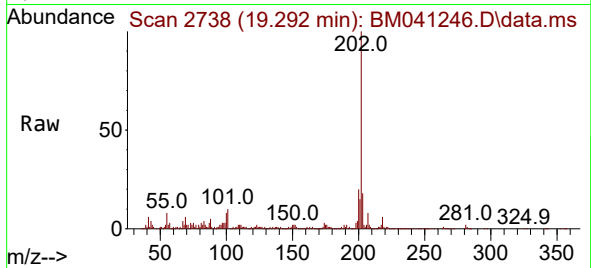




#75
Fluoranthene
Concen: 3.513 ng
RT: 19.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

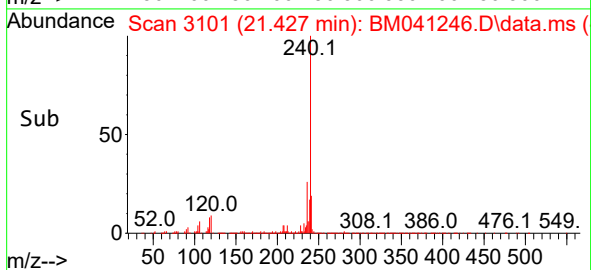
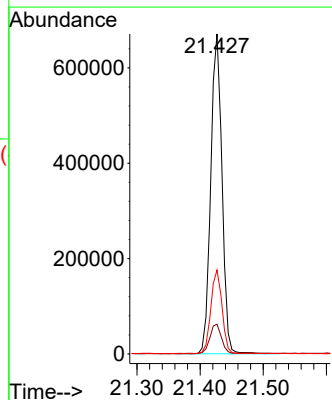
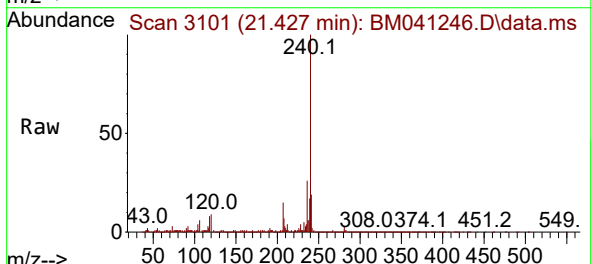
Instrument :
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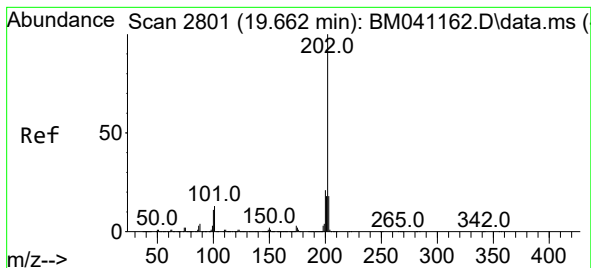
Tgt Ion:202 Resp: 271196
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.8
203 18.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:240 Resp: 825913
Ion Ratio Lower Upper
240 100
120 9.3 8.3 12.5
236 26.3 20.6 30.8





#78

Pyrene

Concen: 7.408 ng

RT: 19.656 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

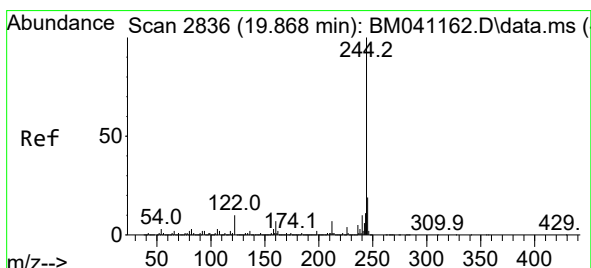
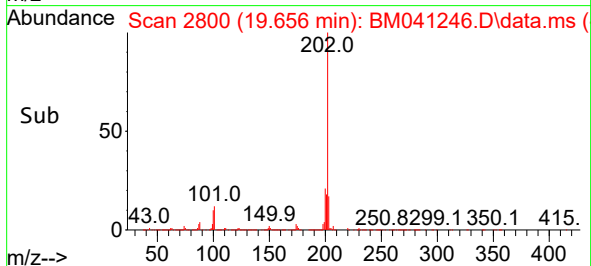
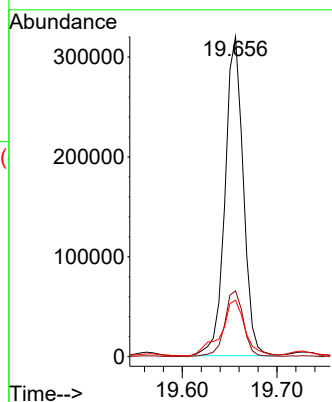
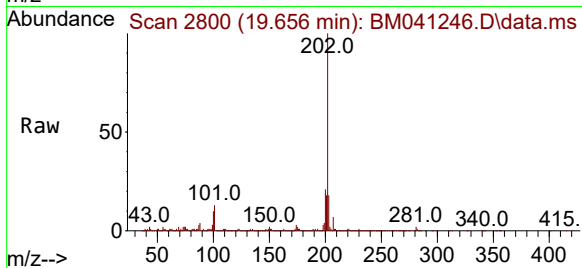
Tgt Ion:202 Resp: 427844

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 52.658 ng

RT: 19.862 min Scan# 2835

Delta R.T. -0.000 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

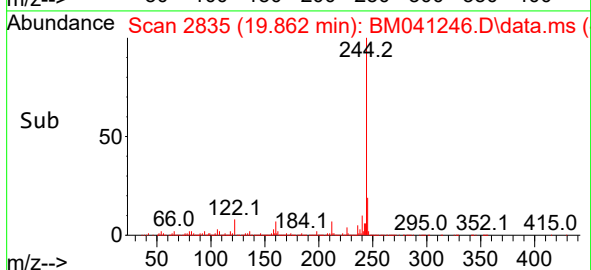
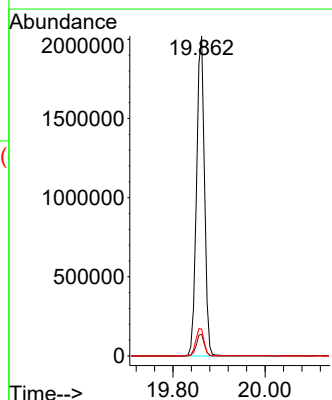
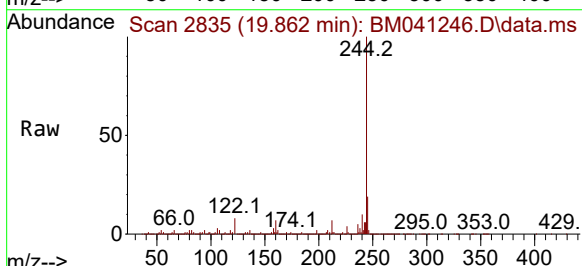
Tgt Ion:244 Resp: 2405418

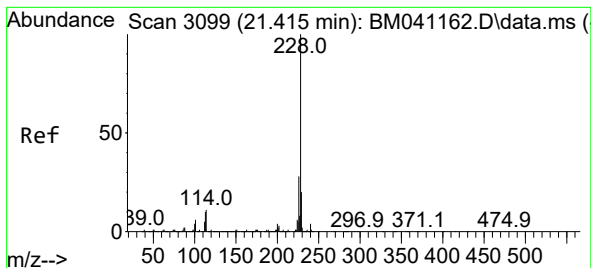
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 8.4 7.8 11.6





#81

Benzo(a)anthracene

Concen: 3.754 ng

RT: 21.409 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

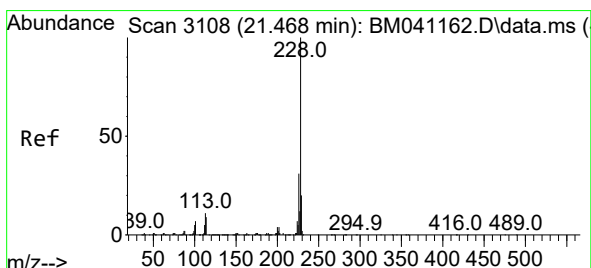
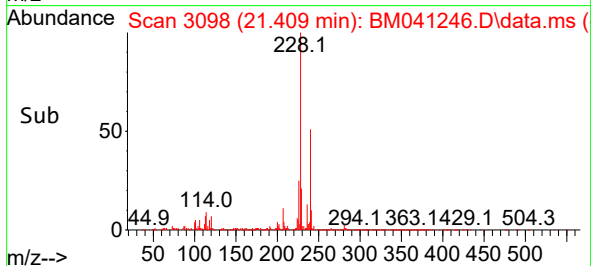
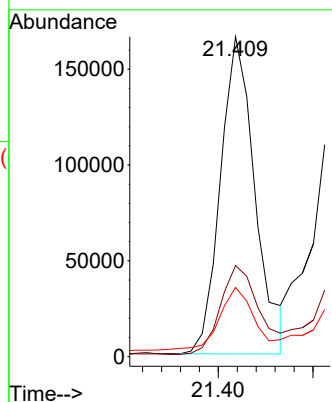
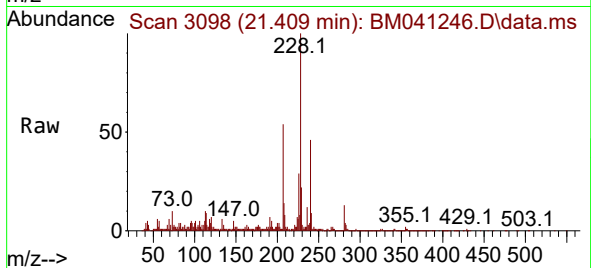
Tgt Ion:228 Resp: 210215

Ion Ratio Lower Upper

228 100

226 28.5 22.4 33.6

229 21.6 15.8 23.8



#83

Chrysene

Concen: 3.888 ng

RT: 21.462 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

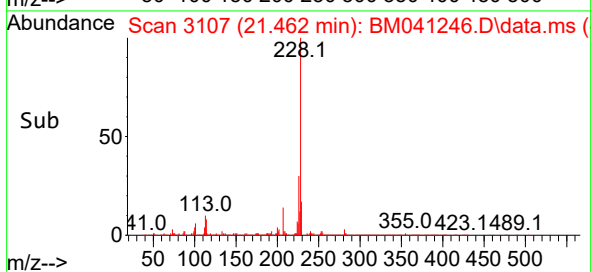
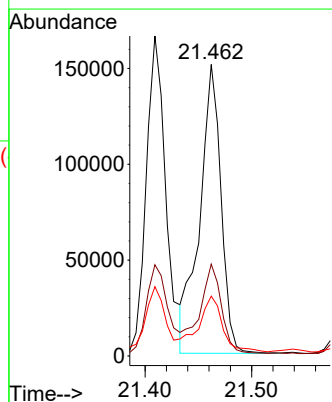
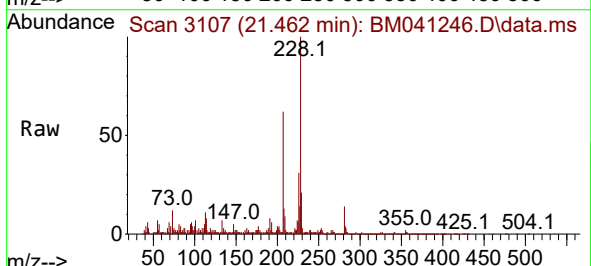
Tgt Ion:228 Resp: 210566

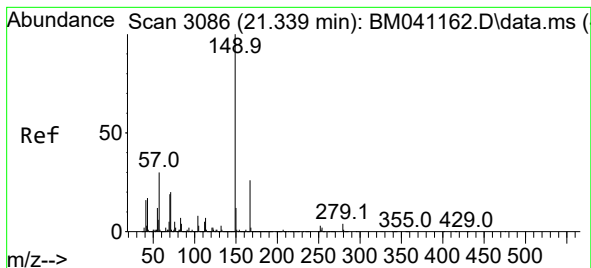
Ion Ratio Lower Upper

228 100

226 31.5 24.5 36.7

229 20.6 15.8 23.8

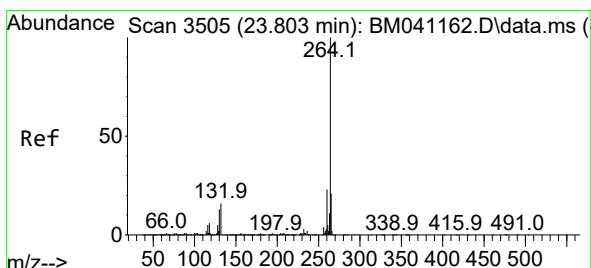
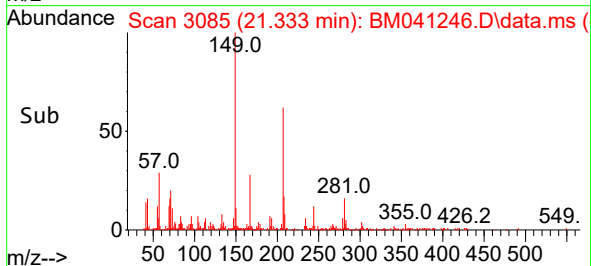
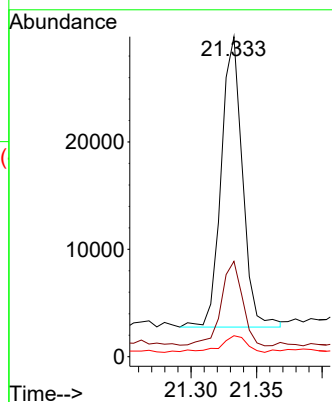
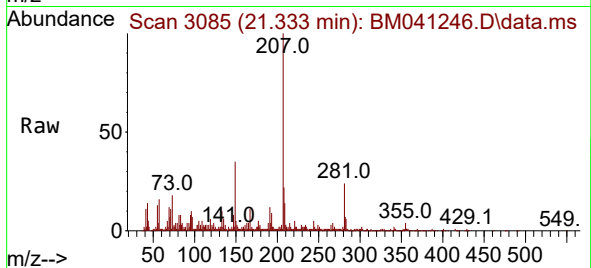




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.402 ng
RT: 21.333 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

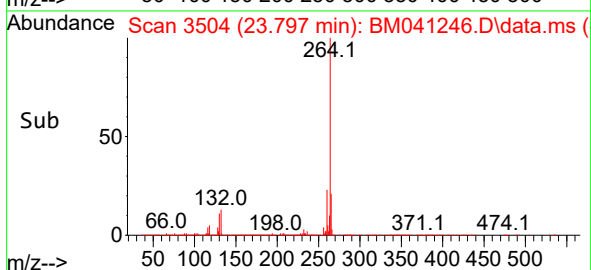
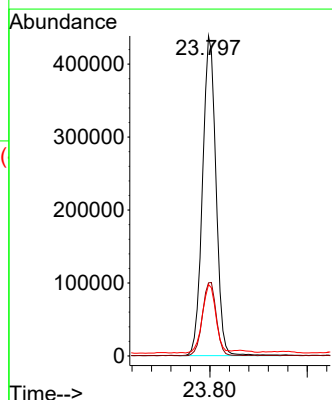
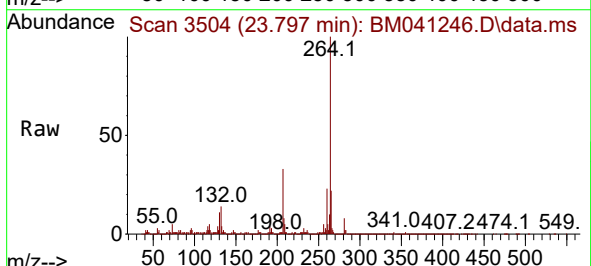
Instrument :
BNA_M
ClientSampleId :
B-P7A

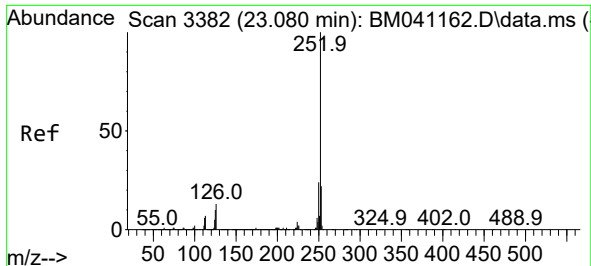
Tgt Ion:149 Resp: 30507
Ion Ratio Lower Upper
149 100
167 29.8 21.0 31.6
279 6.5 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.797 min Scan# 3504
Delta R.T. -0.006 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:264 Resp: 836373
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 22.3 17.4 26.0

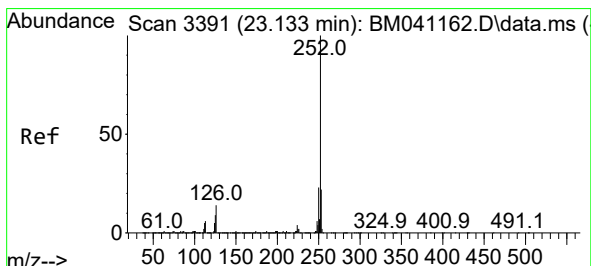
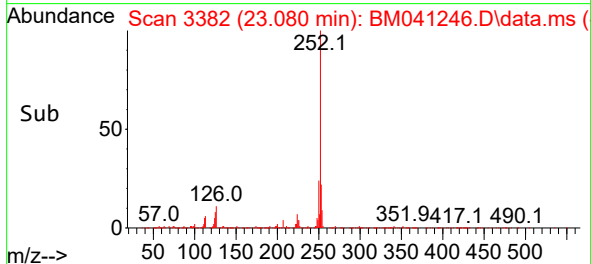
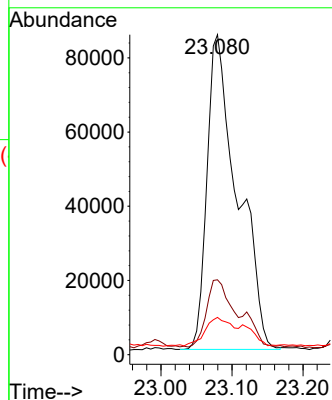
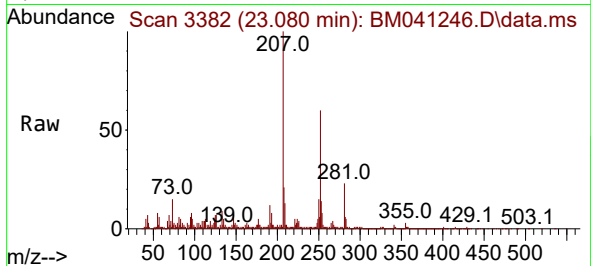




#88
Benzo(b)fluoranthene
Concen: 5.098 ng
RT: 23.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

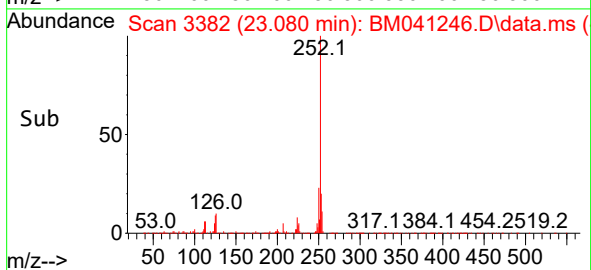
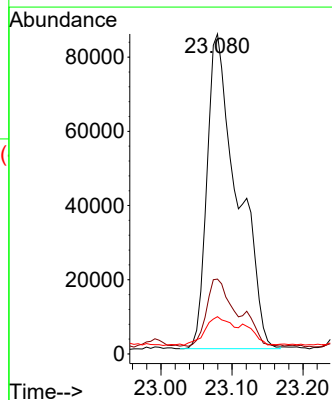
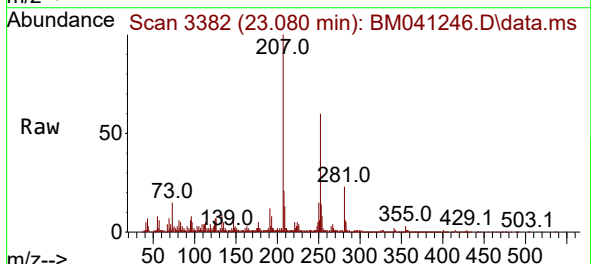
Instrument :
BNA_M
ClientSampleId :
B-P7A

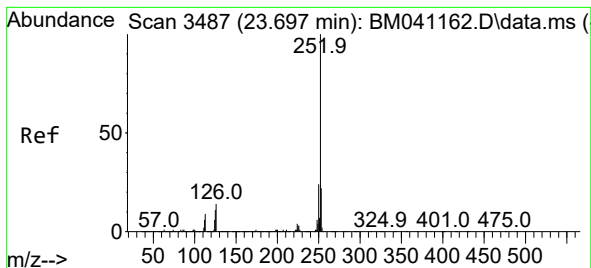
Tgt Ion:252 Resp: 253287
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 11.7 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 4.984 ng
RT: 23.080 min Scan# 3382
Delta R.T. -0.053 min
Lab File: BM041246.D
Acq: 02 Aug 2023 15:53

Tgt Ion:252 Resp: 253287
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.7 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 3.608 ng

RT: 23.691 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Instrument :

BNA_M

ClientSampleId :

B-P7A

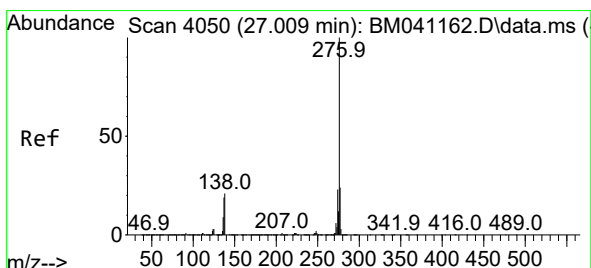
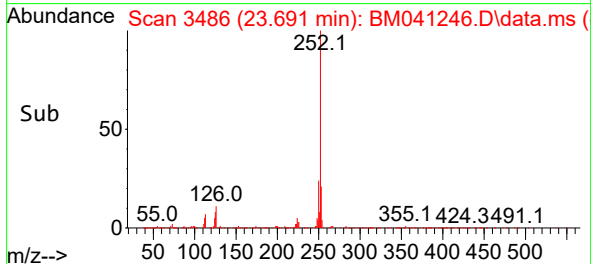
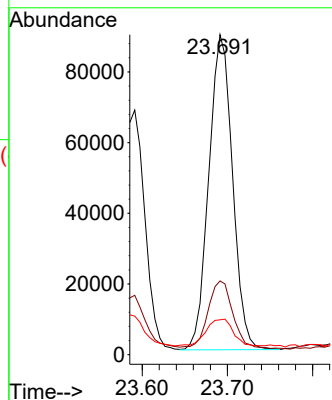
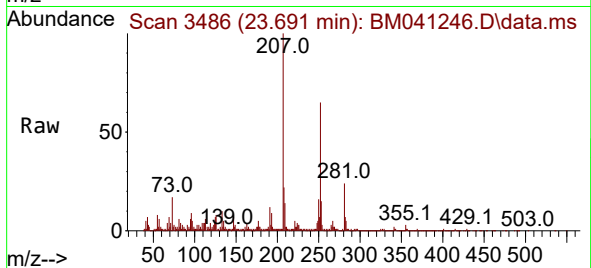
Tgt Ion:252 Resp: 172266

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 10.9 9.0 13.4



#92

Benzo(g,h,i)perylene

Concen: 2.402 ng

RT: 27.003 min Scan# 4049

Delta R.T. -0.012 min

Lab File: BM041246.D

Acq: 02 Aug 2023 15:53

Tgt Ion:276 Resp: 120568

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 19.3 17.1 25.7

