

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039551.D
 Acq On : 21 Apr 2023 14:18
 Operator : CG/JU
 Sample : 02270-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-31-0-2-20230412

Quant Time: Apr 22 01:44:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

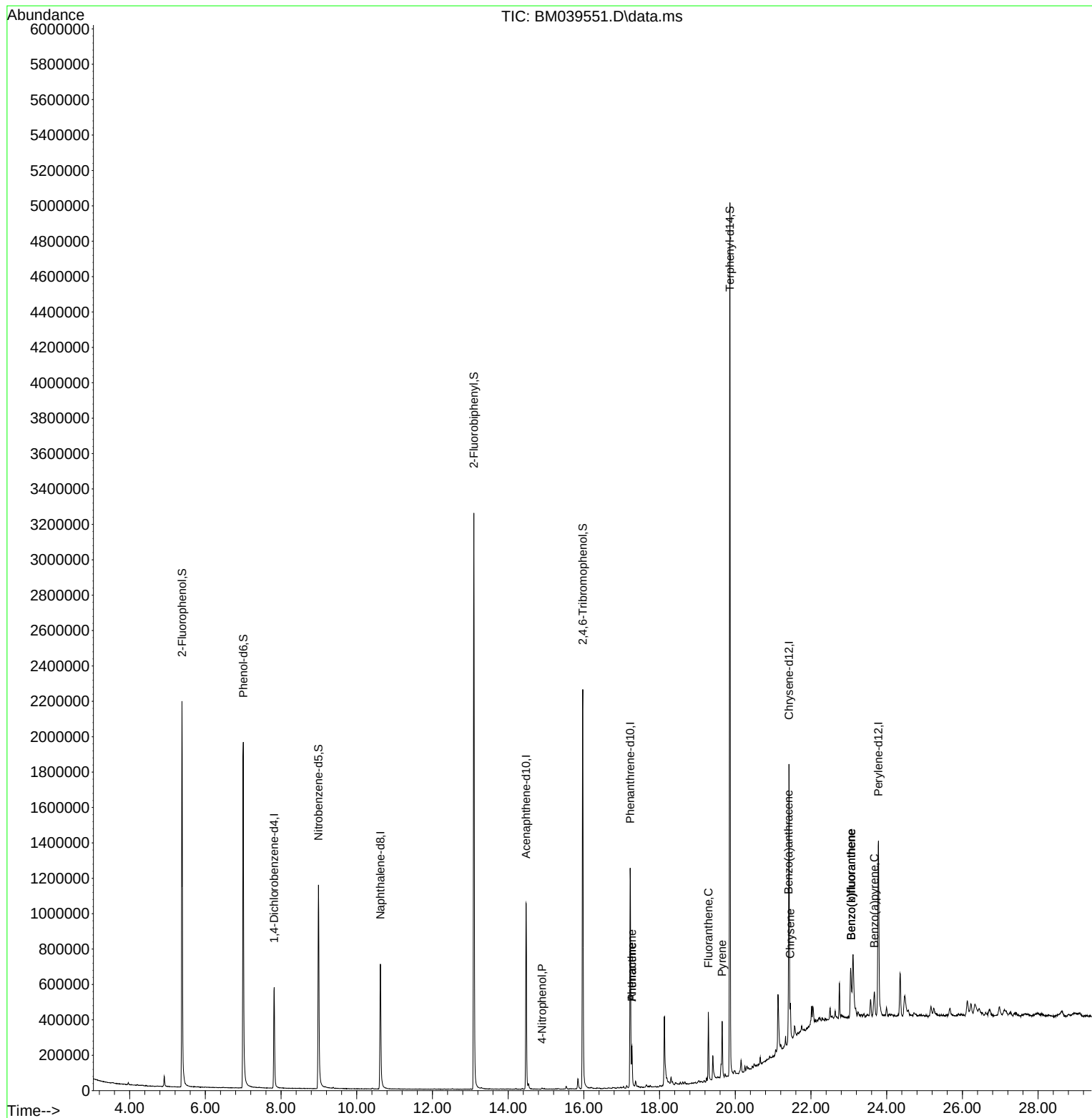
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.819	152	164642	20.000	ng	0.00
21) Naphthalene-d8	10.625	136	656955	20.000	ng	0.00
39) Acenaphthene-d10	14.472	164	384567	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	778945	20.000	ng	0.00
76) Chrysene-d12	21.418	240	684640	20.000	ng	0.00
86) Perylene-d12	23.783	264	746069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	965516	95.813	ng	0.00
7) Phenol-d6	7.001	99	1237671	83.572	ng	0.00
23) Nitrobenzene-d5	8.990	82	762240	56.819	ng	0.00
42) 2,4,6-Tribromophenol	15.971	330	399578	80.070	ng	0.00
45) 2-Fluorobiphenyl	13.095	172	1679545	60.428	ng	0.00
79) Terphenyl-d14	19.859	244	2355462	62.067	ng	0.00
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.895	139	2101	5.760	ng	# 4
71) Phenanthrene	17.271	178	137867	3.264	ng	99
72) Anthracene	17.271	178	137867	3.182	ng	99
75) Fluoranthene	19.289	202	227169	4.433	ng	99
78) Pyrene	19.654	202	201630	4.005	ng	98
81) Benzo(a)anthracene	21.406	228	115795	2.382	ng	100
83) Chrysene	21.453	228	108161	2.295	ng	97
88) Benzo(b)fluoranthene	23.065	252	149671	3.290	ng	99
89) Benzo(k)fluoranthene	23.065	252	149671	3.147	ng	99
90) Benzo(a)pyrene	23.677	252	93742	2.074	ng	97

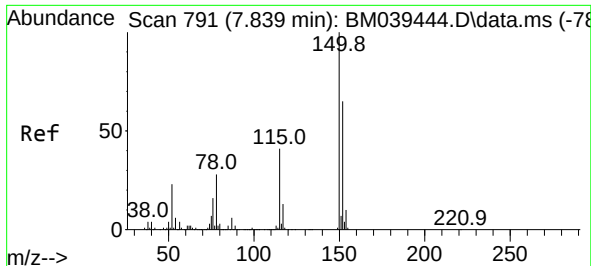
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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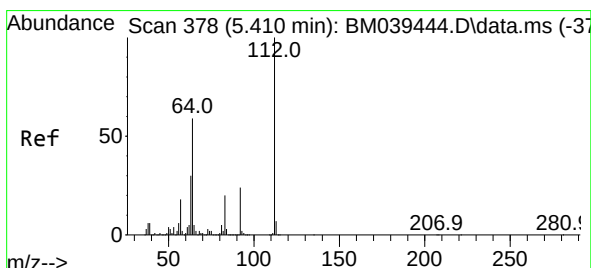
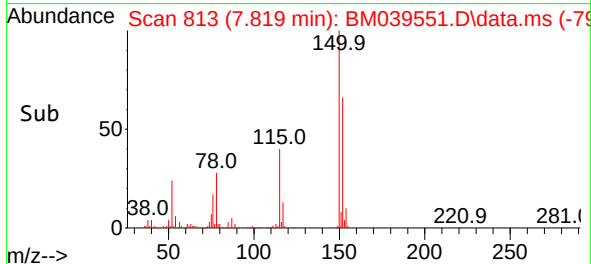
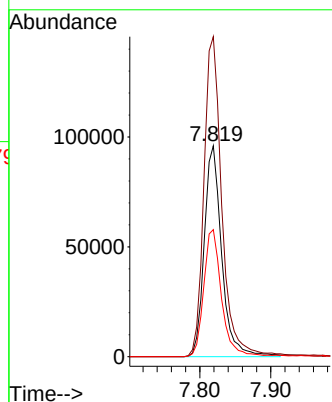
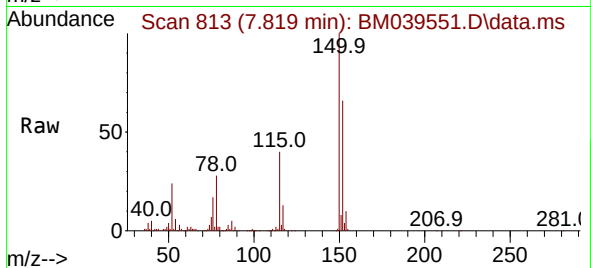




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.819 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

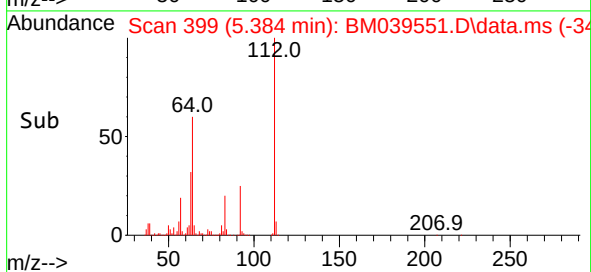
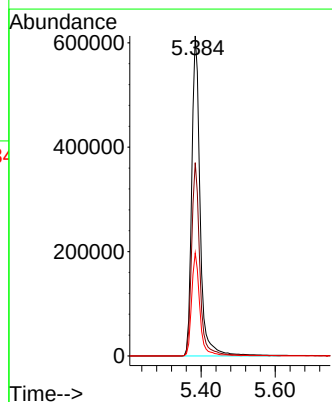
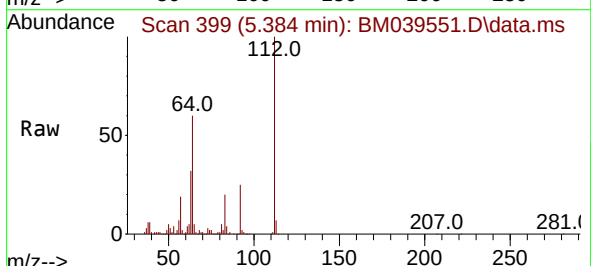
Instrument :
BNA_M
ClientSampleId :
SB-31-0-2-20230412

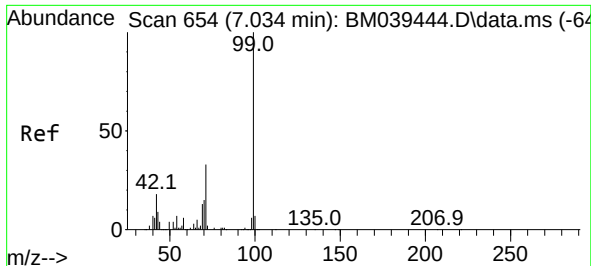
Tgt Ion:152 Resp: 164642
Ion Ratio Lower Upper
152 100
150 151.8 123.0 184.4
115 60.3 49.9 74.9



#5
2-Fluorophenol
Concen: 95.813 ng
RT: 5.384 min Scan# 399
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

Tgt Ion:112 Resp: 965516
Ion Ratio Lower Upper
112 100
64 60.4 47.0 70.4
63 32.2 24.2 36.4

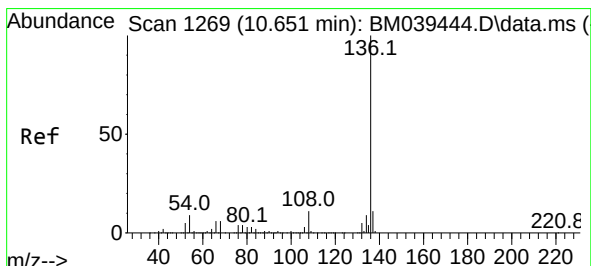
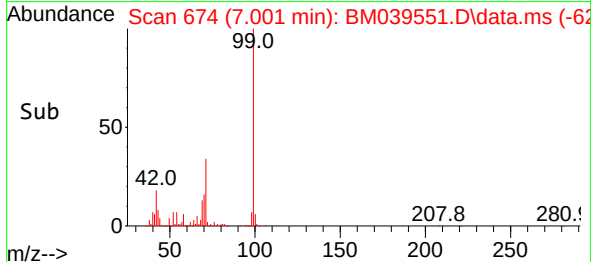
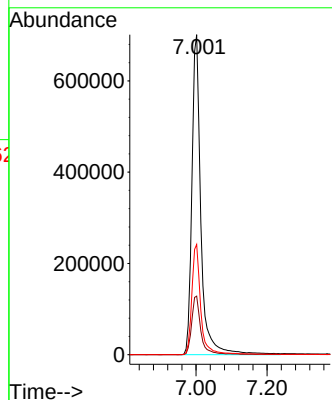
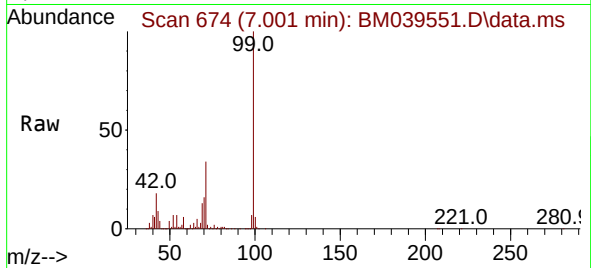




#7
Phenol-d6
Concen: 83.572 ng
RT: 7.001 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

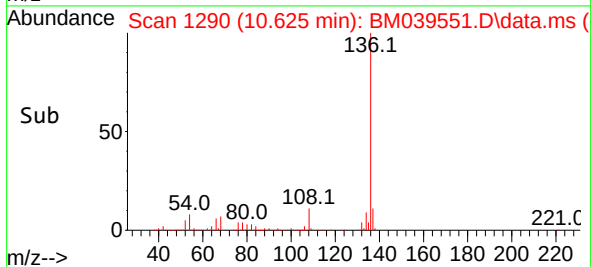
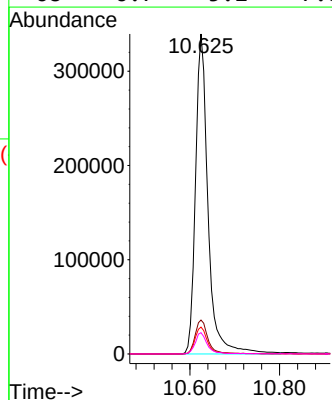
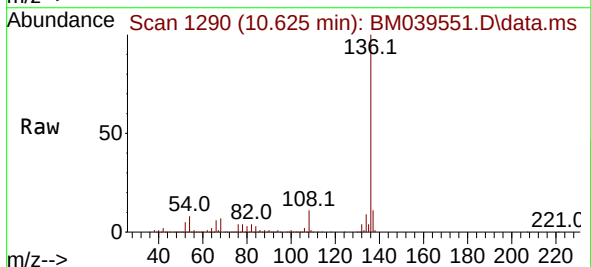
Instrument :
BNA_M
ClientSampleId :
SB-31-0-2-20230412

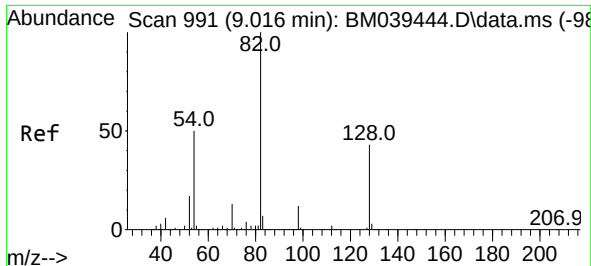
Tgt Ion: 99 Resp: 1237671
Ion Ratio Lower Upper
99 100
42 18.3 14.2 21.4
71 34.4 26.8 40.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.625 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

Tgt Ion: 136 Resp: 656955
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.4 6.9 10.3
68 6.7 5.2 7.8

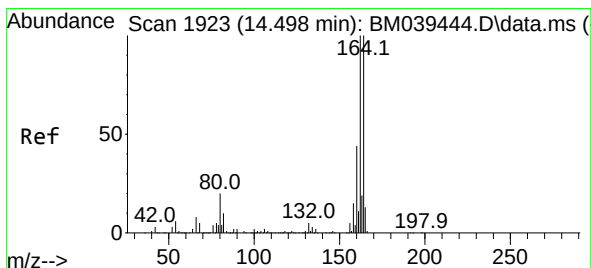
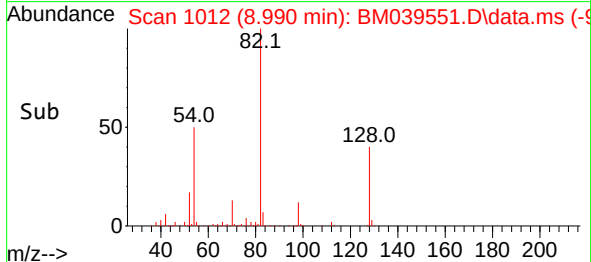
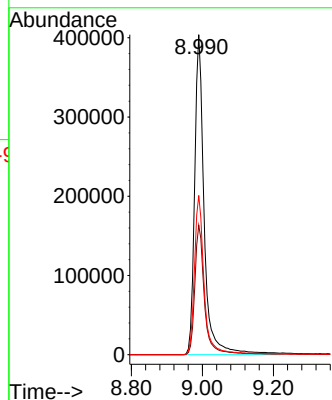
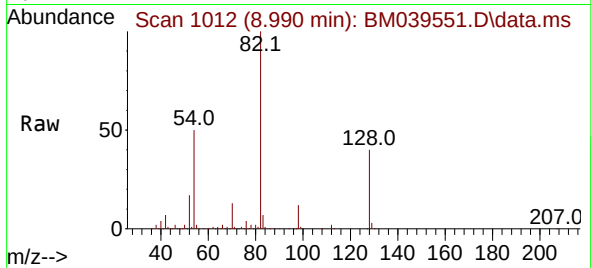




#23
Nitrobenzene-d5
Concen: 56.819 ng
RT: 8.990 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

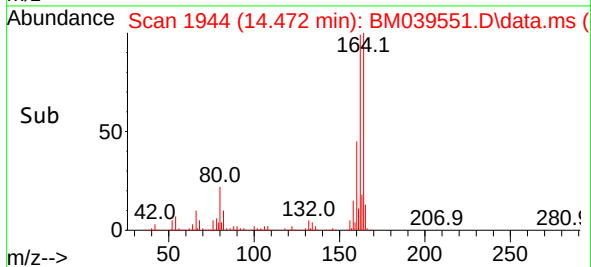
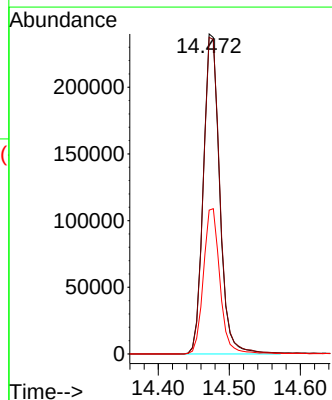
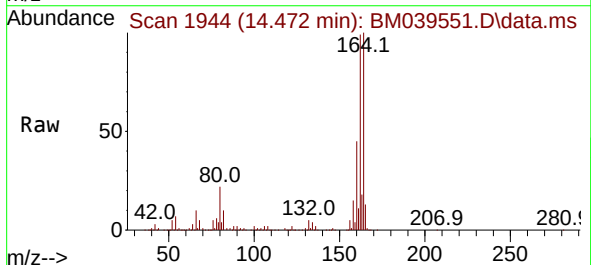
Instrument :
BNA_M
ClientSampleId :
SB-31-0-2-20230412

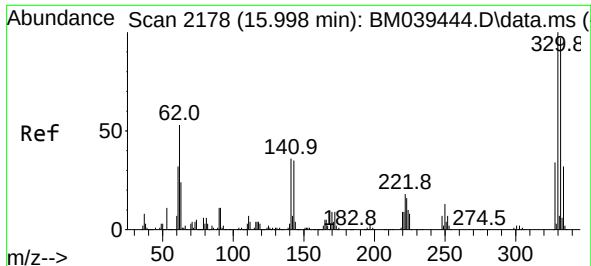
Tgt Ion: 82 Resp: 762240
Ion Ratio Lower Upper
82 100
128 40.5 34.2 51.2
54 49.8 39.7 59.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.472 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

Tgt Ion: 164 Resp: 384567
Ion Ratio Lower Upper
164 100
162 98.9 79.8 119.8
160 45.0 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 80.070 ng

RT: 15.971 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

Instrument :

BNA_M

ClientSampleId :

SB-31-0-2-20230412

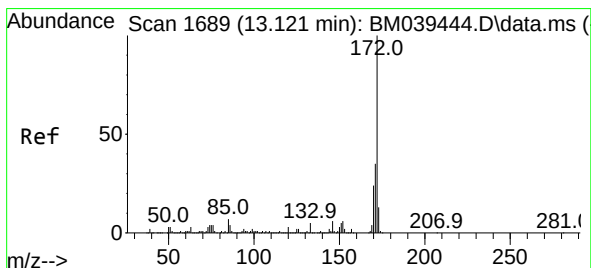
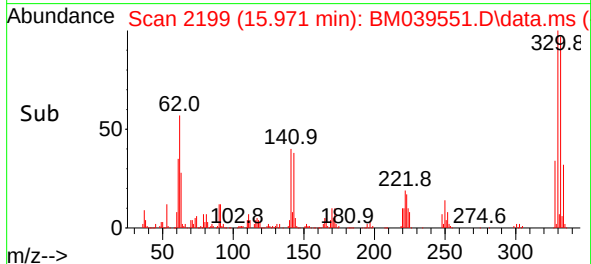
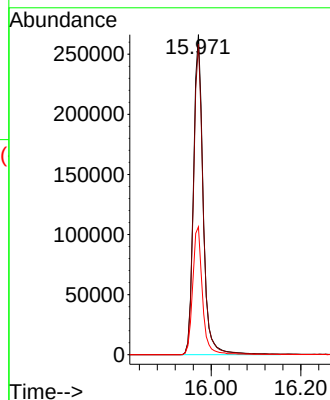
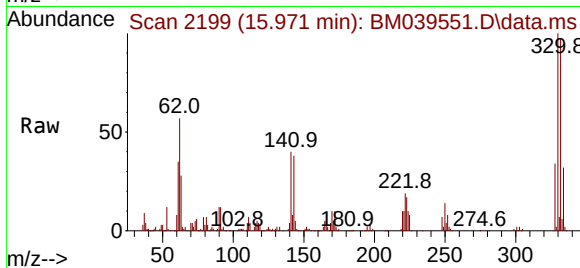
Tgt Ion:330 Resp: 399578

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

141 40.3 31.0 46.6



#45

2-Fluorobiphenyl

Concen: 60.428 ng

RT: 13.095 min Scan# 1710

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

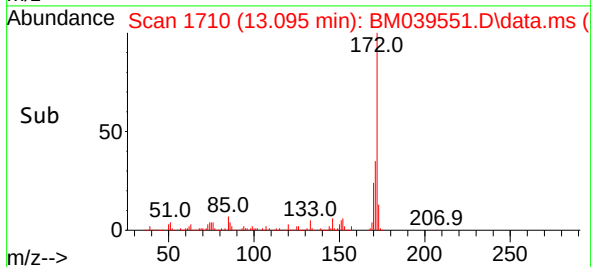
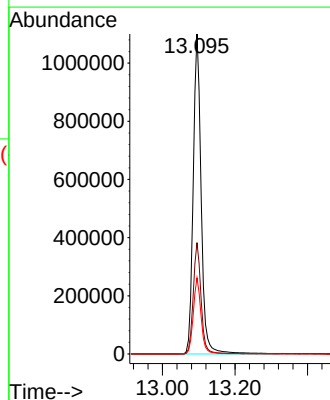
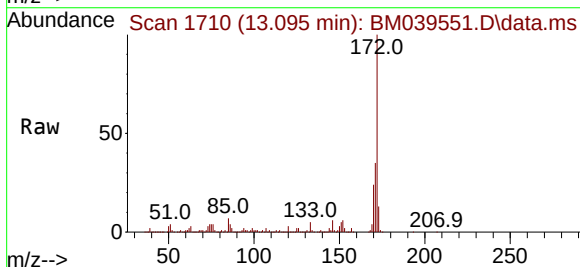
Tgt Ion:172 Resp: 1679545

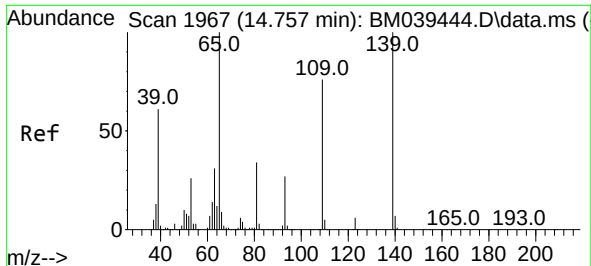
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

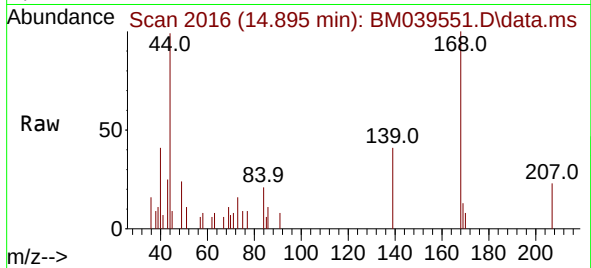
170 23.8 19.0 28.4



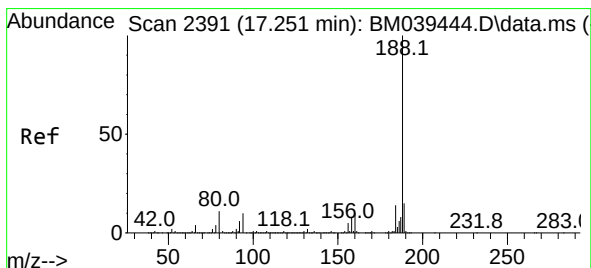
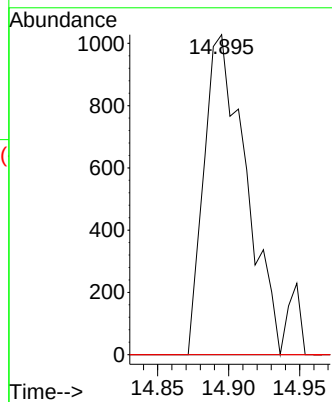
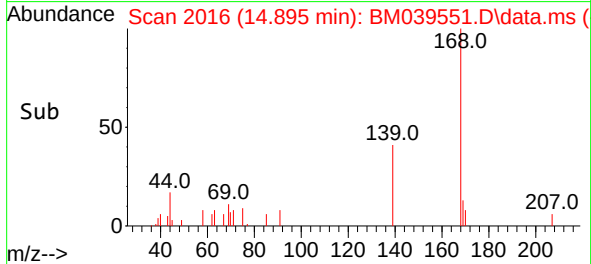


#56
4-Nitrophenol
Concen: 5.760 ng
RT: 14.895 min Scan# 2016
Delta R.T. 0.165 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

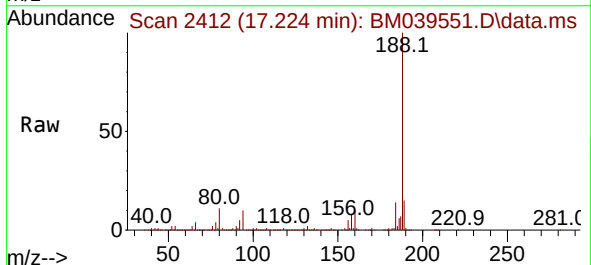
Instrument :
BNA_M
ClientSampleId :
SB-31-0-2-20230412



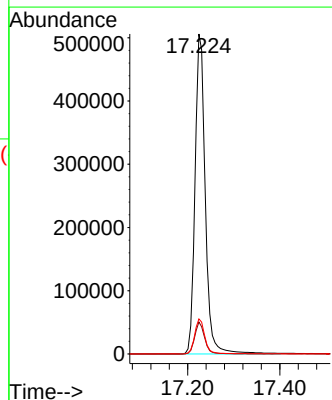
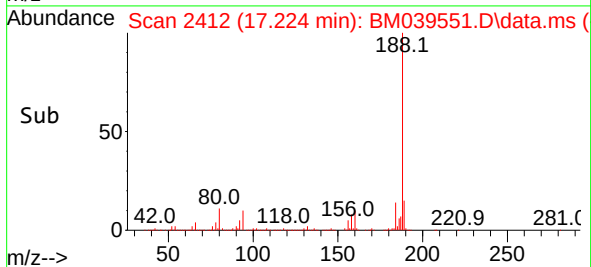
Tgt Ion:139 Resp: 2101
Ion Ratio Lower Upper
139 100
109 0.0 56.5 96.5#
65 0.0 81.3 121.3#

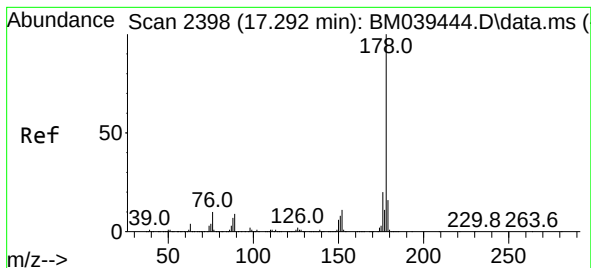


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18



Tgt Ion:188 Resp: 778945
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 11.0 8.9 13.3





#71

Phenanthrene

Concen: 3.264 ng

RT: 17.271 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

Instrument :

BNA_M

ClientSampleId :

SB-31-0-2-20230412

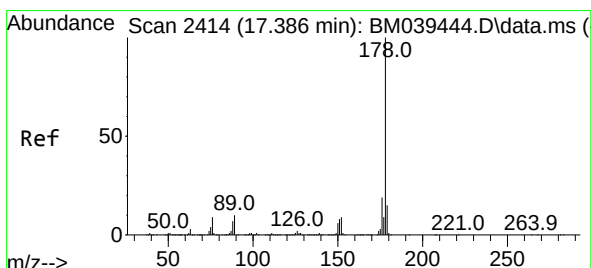
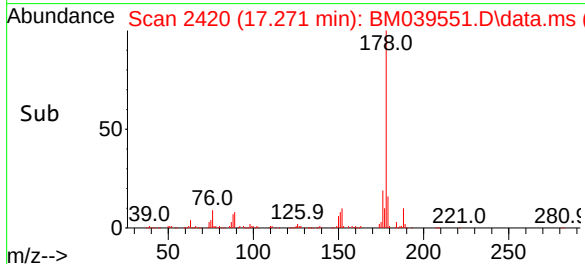
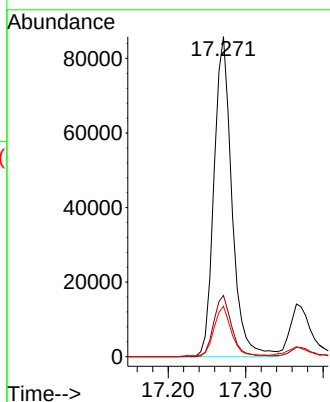
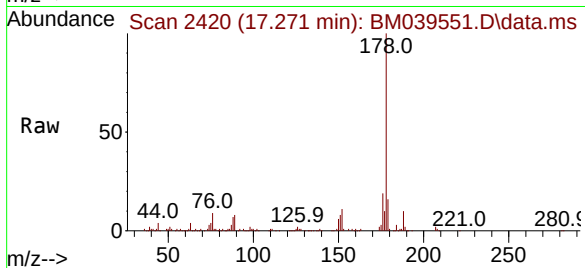
Tgt Ion:178 Resp: 137867

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.7 12.5 18.7



#72

Anthracene

Concen: 3.182 ng

RT: 17.271 min Scan# 2420

Delta R.T. -0.094 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

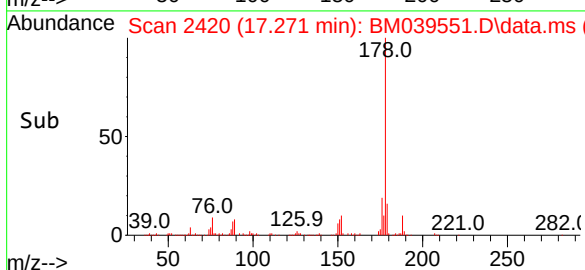
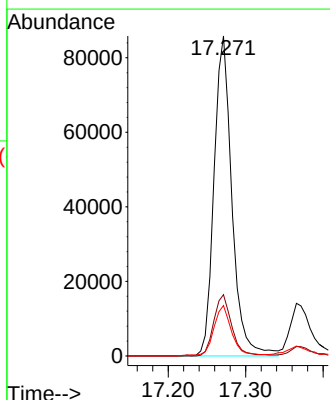
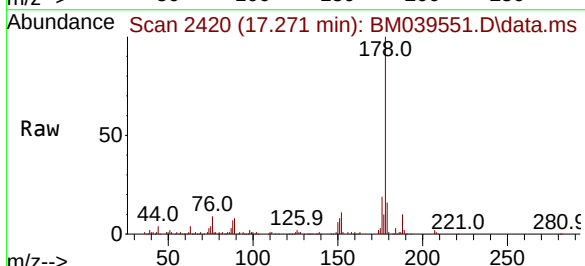
Tgt Ion:178 Resp: 137867

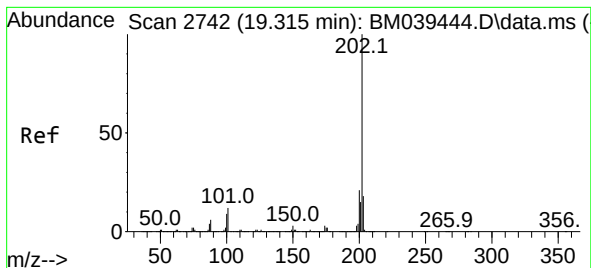
Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.7 12.2 18.4





#75

Fluoranthene

Concen: 4.433 ng

RT: 19.289 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

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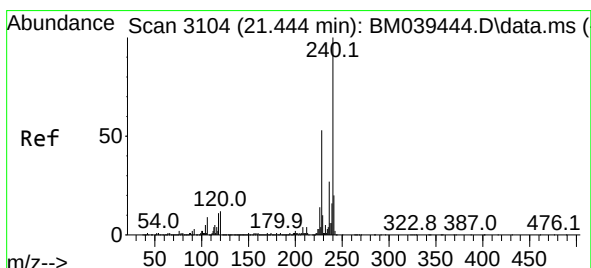
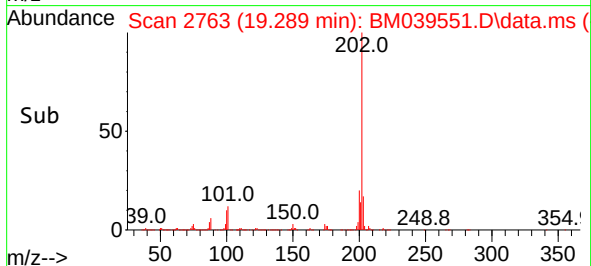
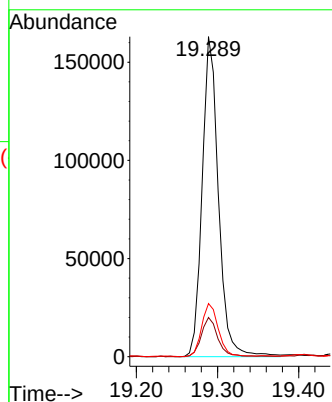
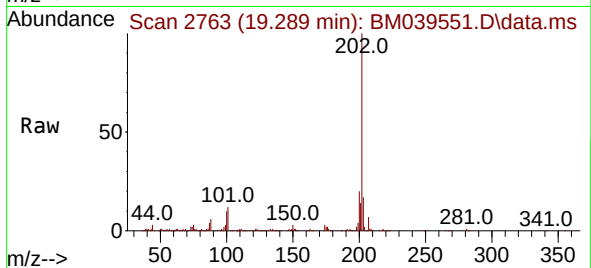
Tgt Ion:202 Resp: 227169

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.1

203 16.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.418 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

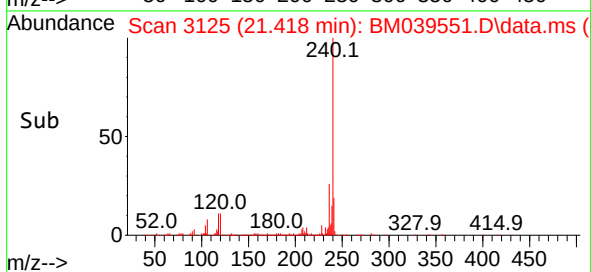
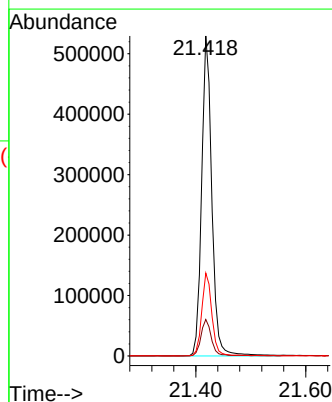
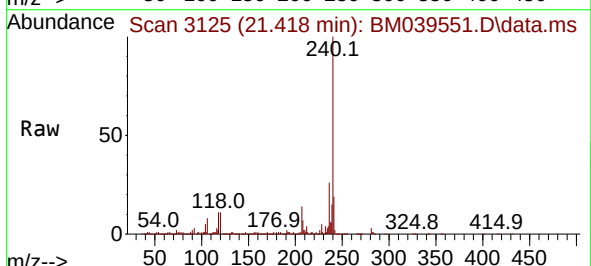
Tgt Ion:240 Resp: 684640

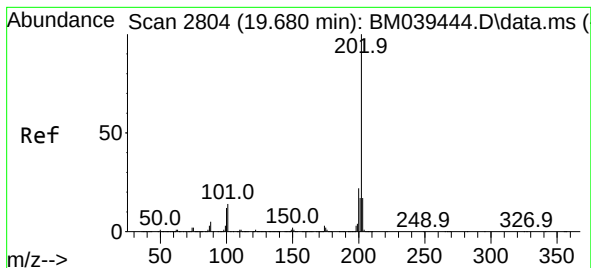
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.9 21.2 31.8





#78

Pyrene

Concen: 4.005 ng

RT: 19.654 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

Instrument :

BNA_M

ClientSampleId :

SB-31-0-2-20230412

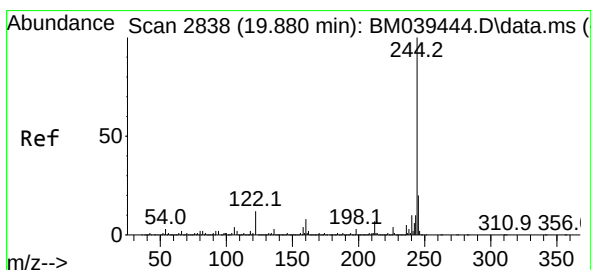
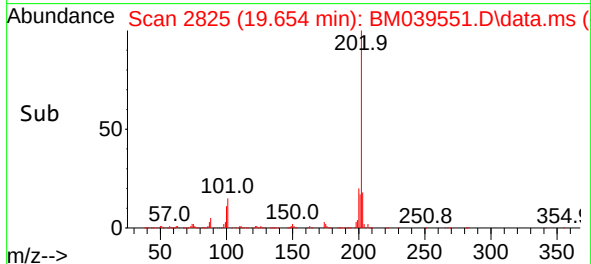
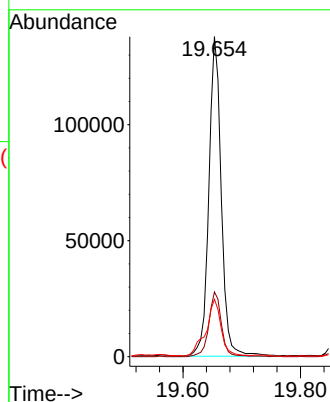
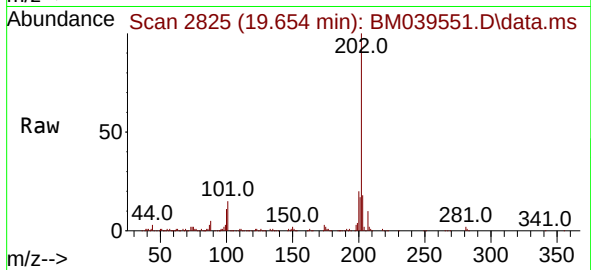
Tgt Ion:202 Resp: 201630

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 62.067 ng

RT: 19.859 min Scan# 2860

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

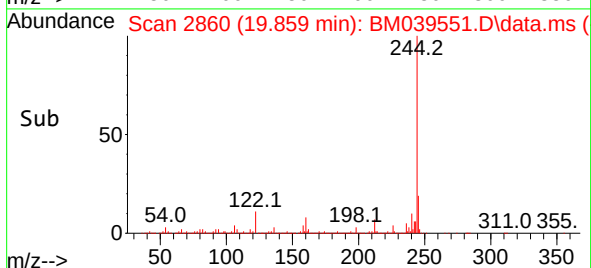
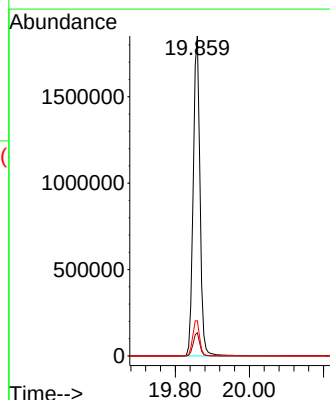
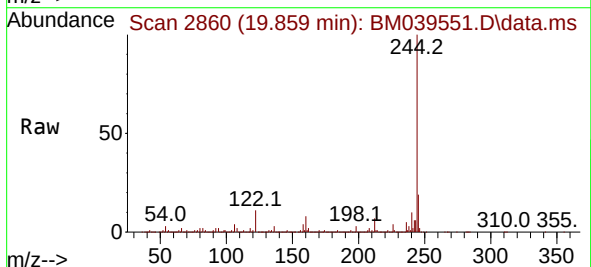
Tgt Ion:244 Resp: 2355462

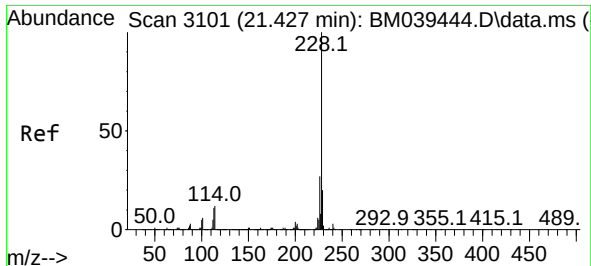
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.0 9.5 14.3

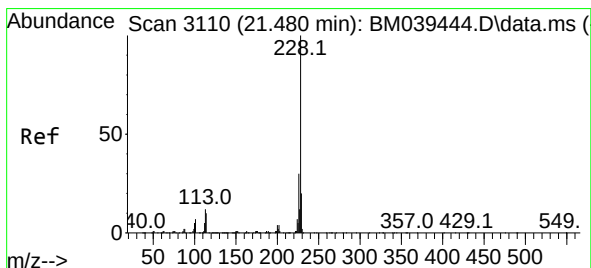
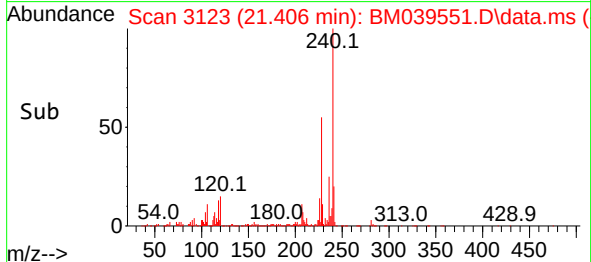
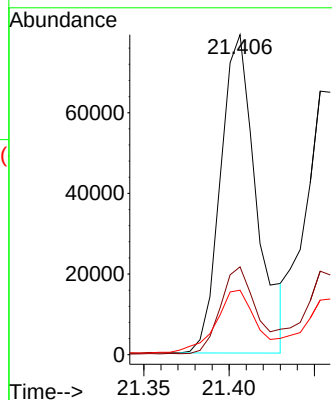
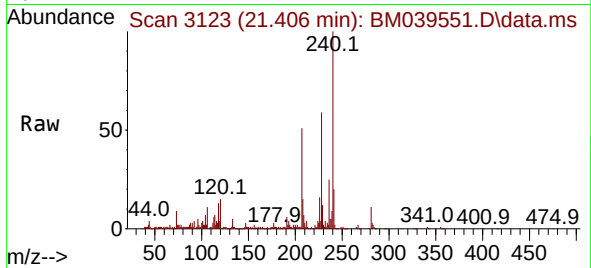




#81
Benzo(a)anthracene
Concen: 2.382 ng
RT: 21.406 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

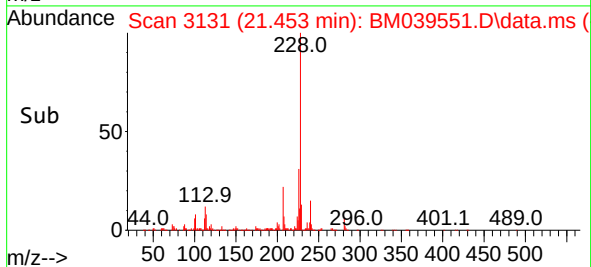
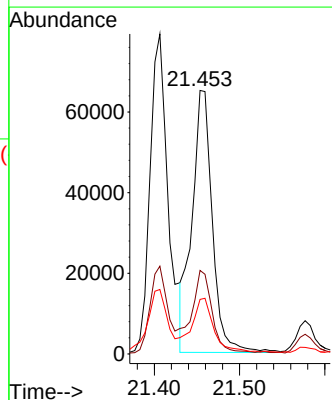
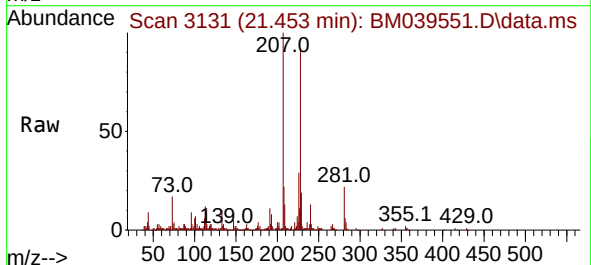
Instrument :
BNA_M
ClientSampleId :
SB-31-0-2-20230412

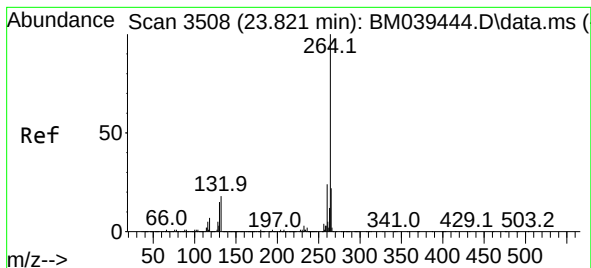
Tgt Ion:228 Resp: 115795
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 20.1 15.9 23.9



#83
Chrysene
Concen: 2.295 ng
RT: 21.453 min Scan# 3131
Delta R.T. -0.012 min
Lab File: BM039551.D
Acq: 21 Apr 2023 14:18

Tgt Ion:228 Resp: 108161
Ion Ratio Lower Upper
228 100
226 31.7 24.0 36.0
229 20.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.783 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

Instrument :

BNA_M

ClientSampleId :

SB-31-0-2-20230412

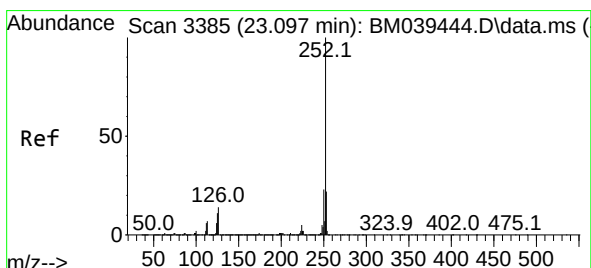
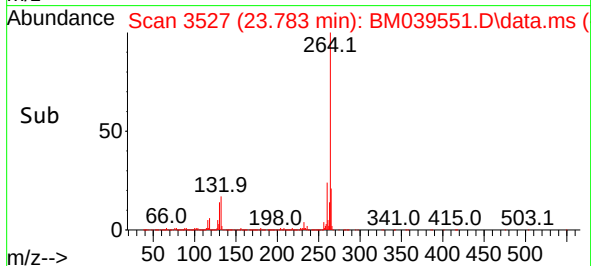
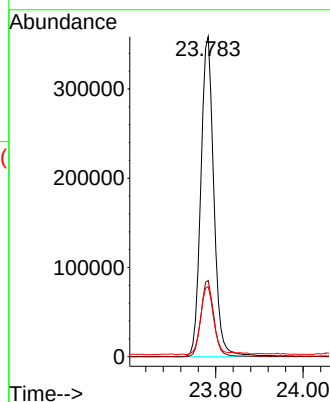
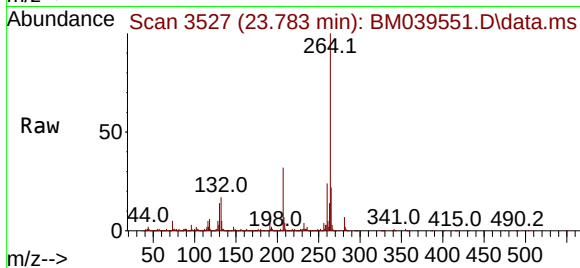
Tgt Ion:264 Resp: 746069

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 21.9 18.0 27.0



#88

Benzo(b)fluoranthene

Concen: 3.290 ng

RT: 23.065 min Scan# 3405

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

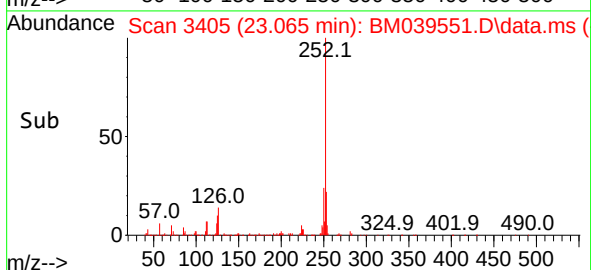
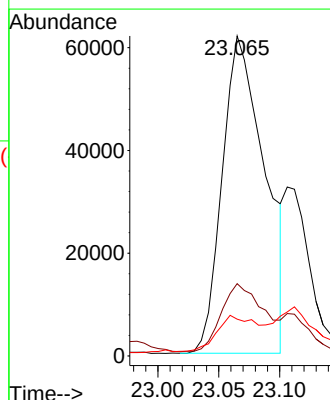
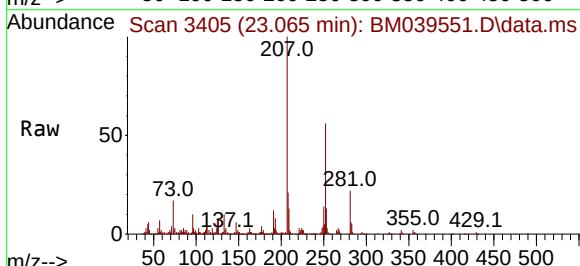
Tgt Ion:252 Resp: 149671

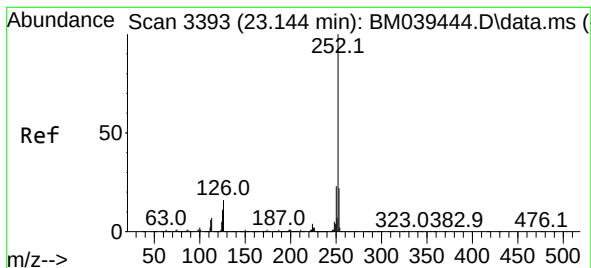
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.5 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 3.147 ng

RT: 23.065 min Scan# 34

Delta R.T. -0.053 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

Instrument :

BNA_M

ClientSampleId :

SB-31-0-2-20230412

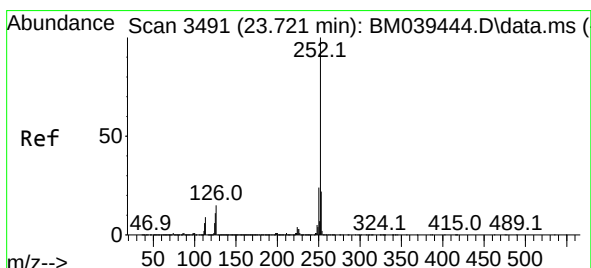
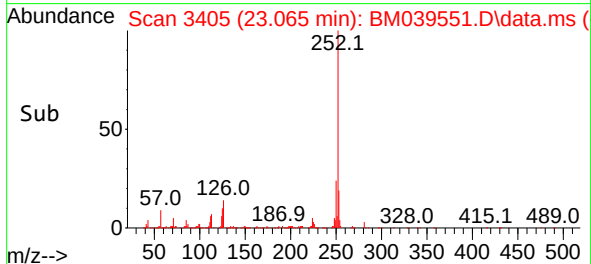
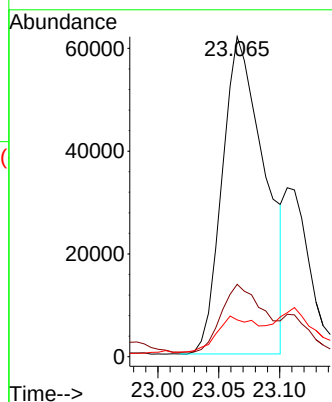
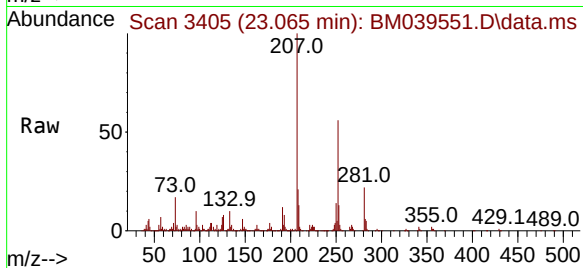
Tgt Ion:252 Resp: 149671

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.5 8.8 13.2



#90

Benzo(a)pyrene

Concen: 2.074 ng

RT: 23.677 min Scan# 3509

Delta R.T. -0.006 min

Lab File: BM039551.D

Acq: 21 Apr 2023 14:18

Tgt Ion:252 Resp: 93742

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.6 9.0 13.6

