

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039106.D
 Acq On : 22 Mar 2023 23:53
 Operator : CG/JU
 Sample : 02022-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AU-05-32123

Quant Time: Mar 23 04:28:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

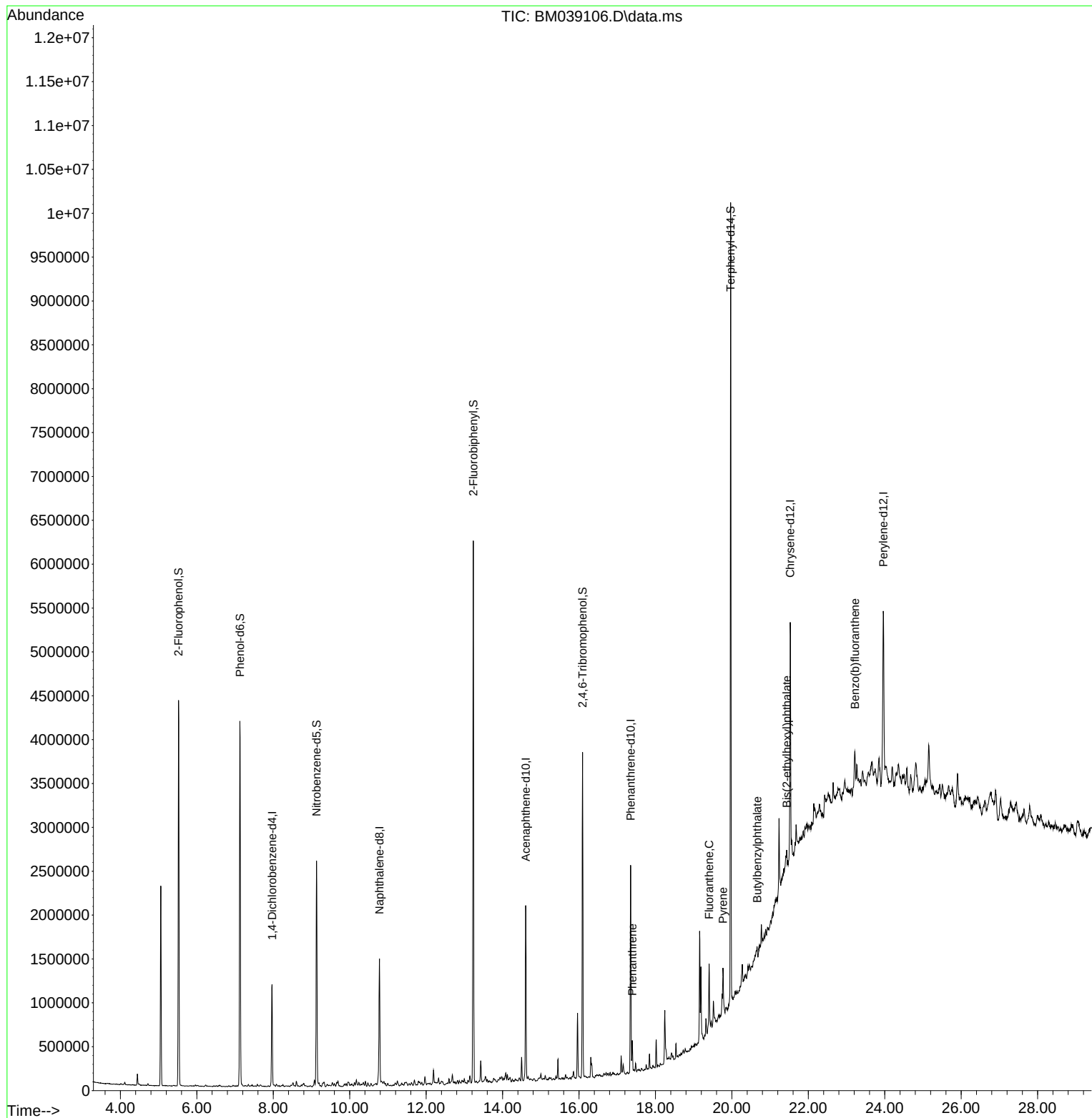
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	311717	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1196752	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	667775	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1335947	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1236099	20.000	ng	0.00
86) Perylene-d12	23.962	264	1413556	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1946526	94.873	ng	0.00
7) Phenol-d6	7.128	99	2444093	91.711	ng	0.00
23) Nitrobenzene-d5	9.134	82	1466956	60.212	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	629389	81.473	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	3046332	59.387	ng	0.00
79) Terphenyl-d14	19.968	244	4290775	63.465	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.392	178	208677	2.661	ng	99
75) Fluoranthene	19.403	202	323695	3.910	ng	96
78) Pyrene	19.768	202	300755	3.239	ng	98
80) Butylbenzylphthalate	20.662	149	34032	4.118	ng	89
84) Bis(2-ethylhexyl)phtha...	21.439	149	53734	3.378	ng #	91
88) Benzo(b)fluoranthene	23.221	252	181675	2.012	ng #	57

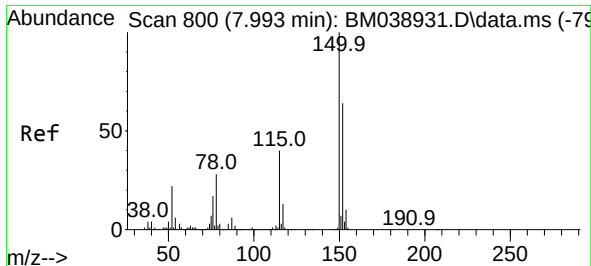
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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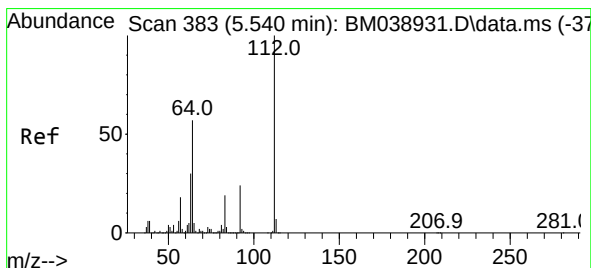
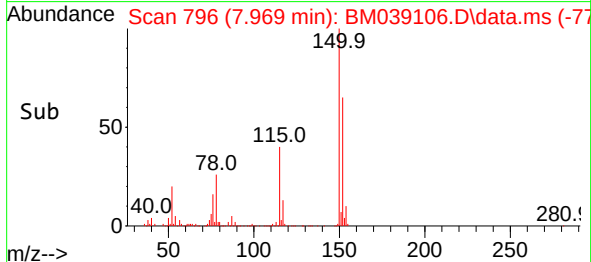
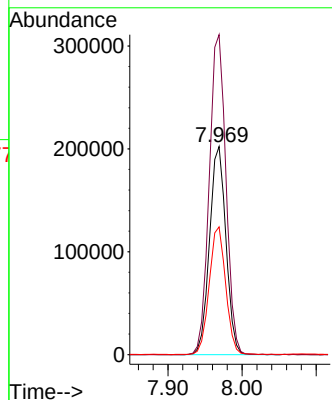
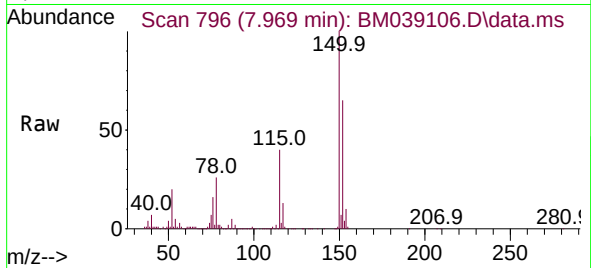




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

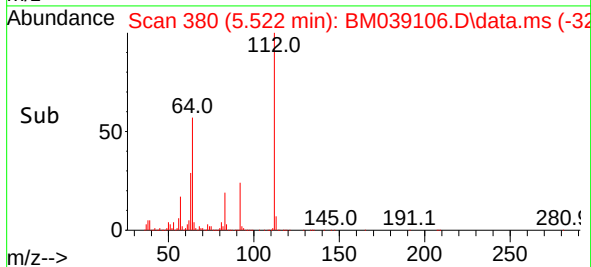
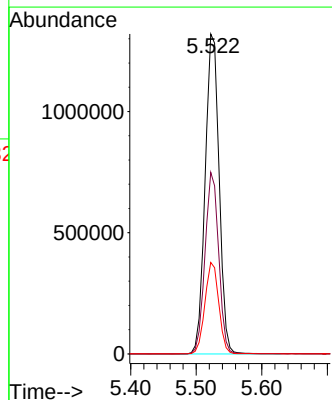
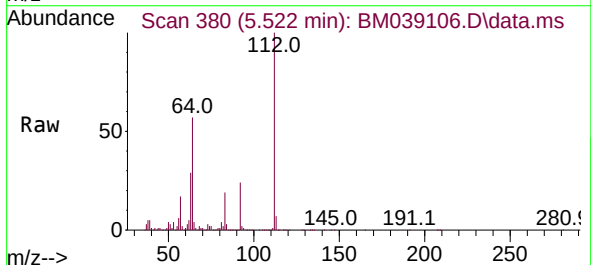
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

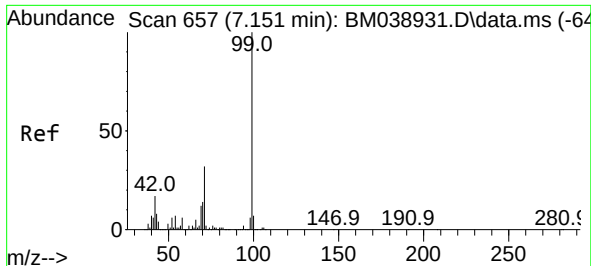
Tgt Ion:152 Resp: 311717
Ion Ratio Lower Upper
152 100
150 153.7 125.1 187.7
115 61.4 49.6 74.4



#5
2-Fluorophenol
Concen: 94.873 ng
RT: 5.522 min Scan# 380
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion:112 Resp: 1946526
Ion Ratio Lower Upper
112 100
64 56.7 45.9 68.9
63 28.6 23.8 35.8

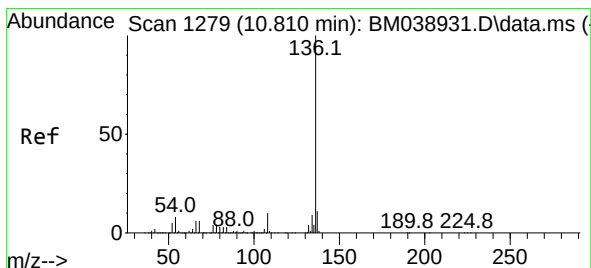
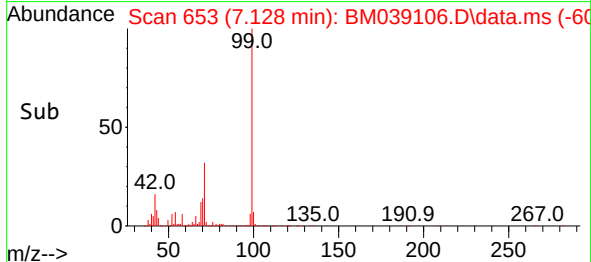
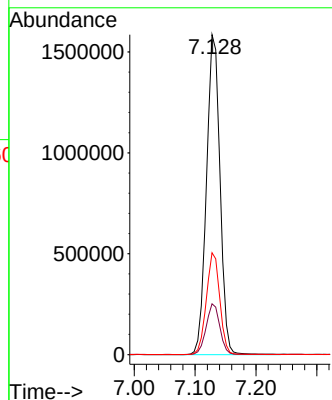
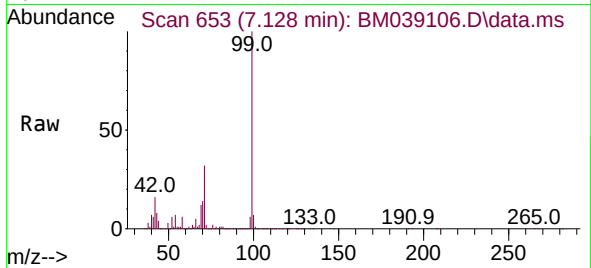




#7
Phenol-d6
Concen: 91.711 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

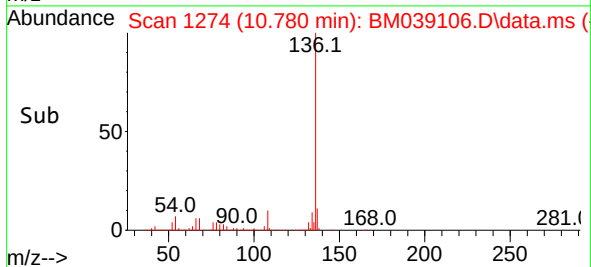
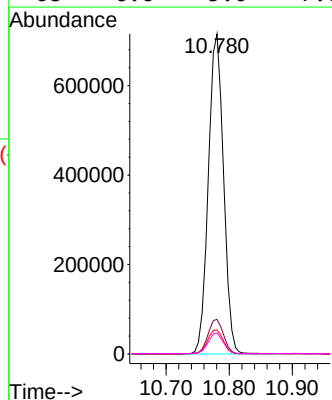
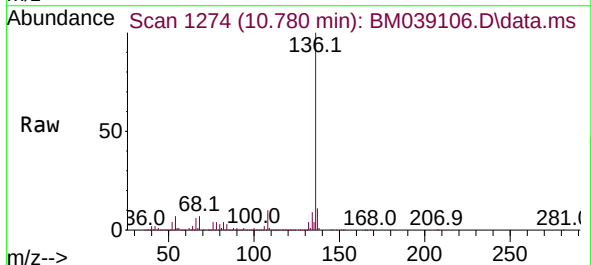
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

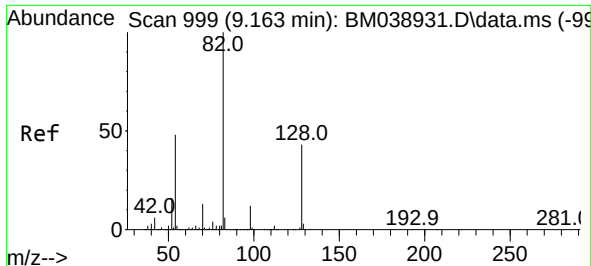
Tgt Ion: 99 Resp: 2444093
Ion Ratio Lower Upper
99 100
42 15.9 13.5 20.3
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion: 136 Resp: 1196752
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.5 6.3 9.5
68 6.6 5.0 7.6

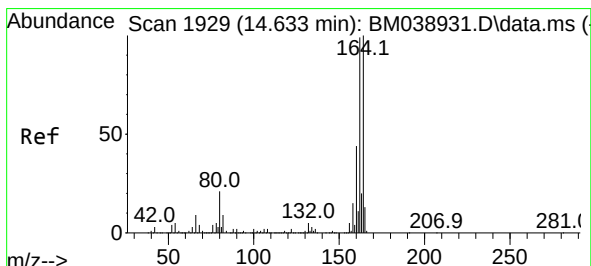
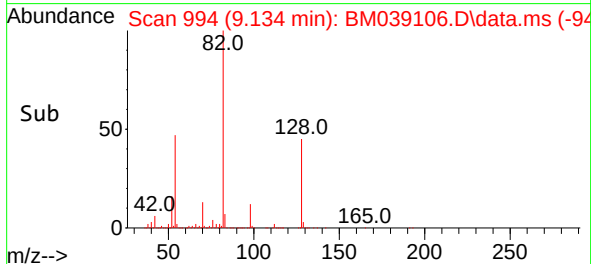
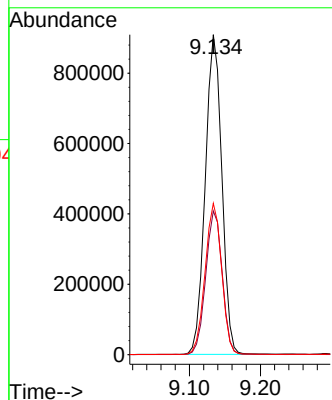
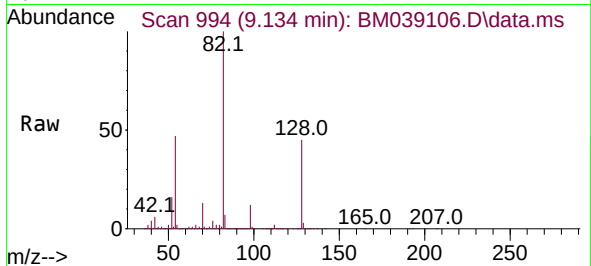




#23
 Nitrobenzene-d5
 Concen: 60.212 ng
 RT: 9.134 min Scan# 999
 Delta R.T. -0.006 min
 Lab File: BM039106.D
 Acq: 22 Mar 2023 23:53

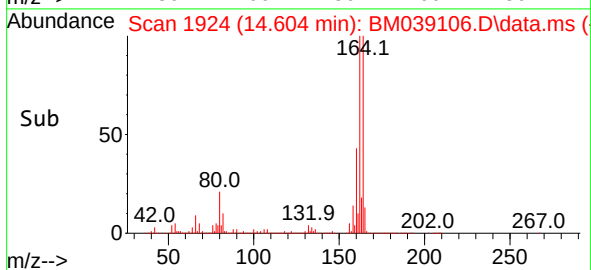
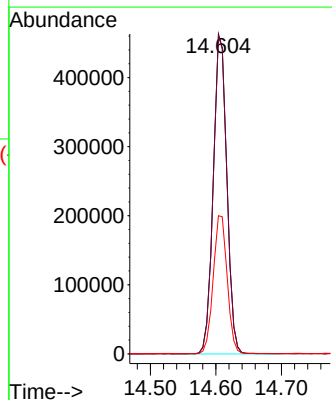
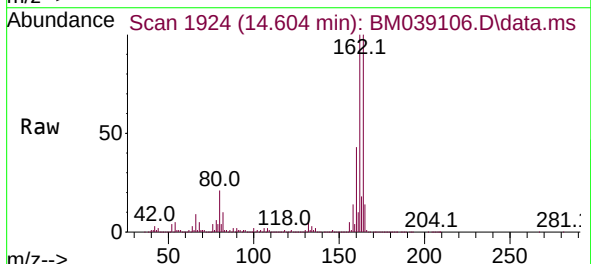
Instrument :
 BNA_M
 ClientSampleId :
 AU-05-32123

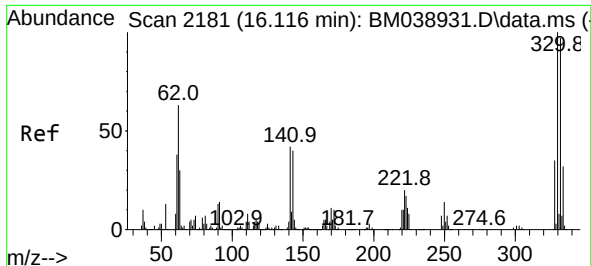
Tgt Ion: 82 Resp: 1466956
 Ion Ratio Lower Upper
 82 100
 128 44.9 34.4 51.6
 54 47.3 38.8 58.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.604 min Scan# 1924
 Delta R.T. -0.006 min
 Lab File: BM039106.D
 Acq: 22 Mar 2023 23:53

Tgt Ion: 164 Resp: 667775
 Ion Ratio Lower Upper
 164 100
 162 99.5 79.2 118.8
 160 43.2 35.5 53.3

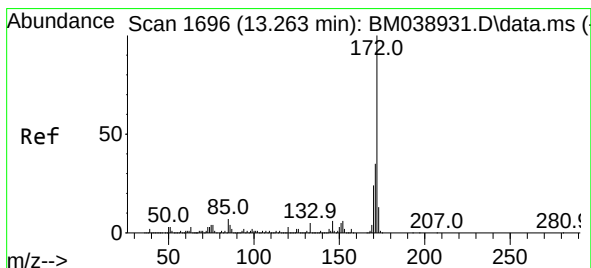
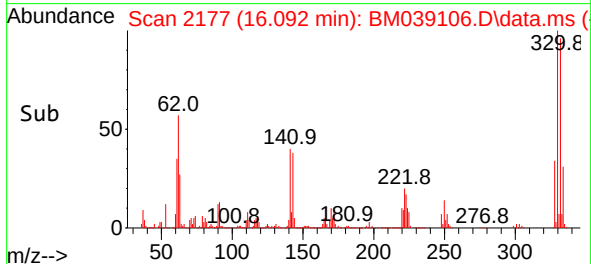
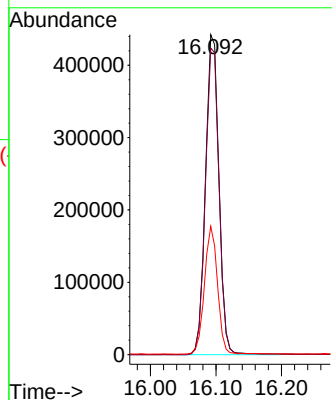
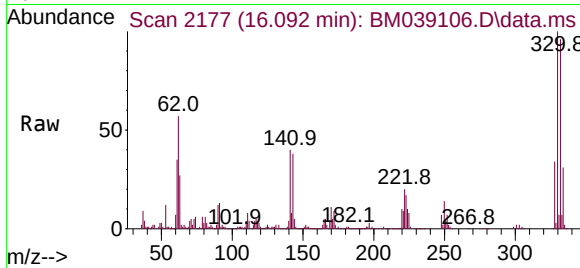




#42
2,4,6-Tribromophenol
Concen: 81.473 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

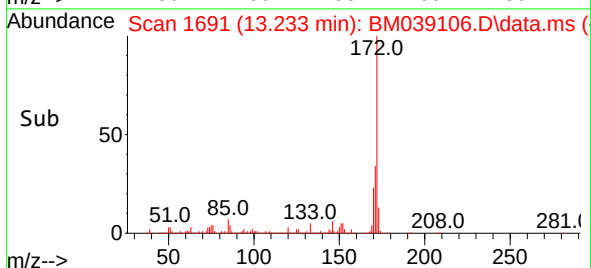
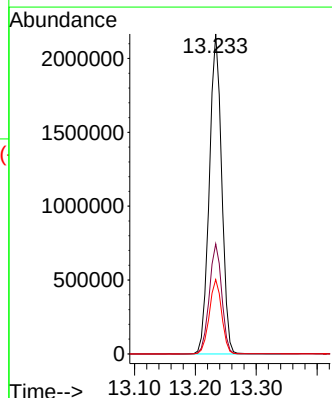
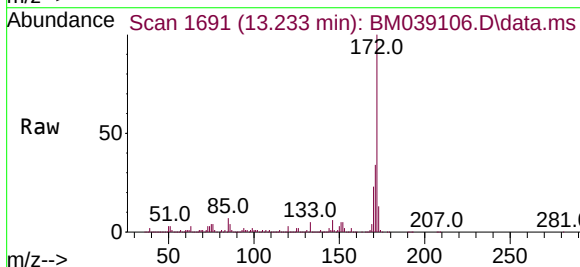
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

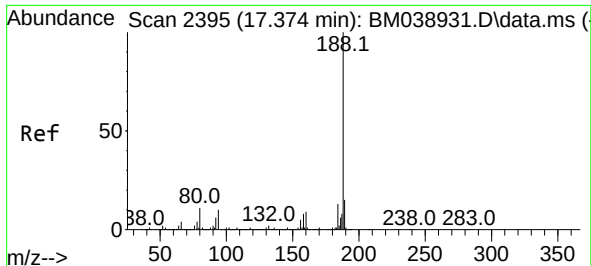
Tgt Ion:330 Resp: 629389
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 38.5 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 59.387 ng
RT: 13.233 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion:172 Resp: 3046332
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.2 19.1 28.7

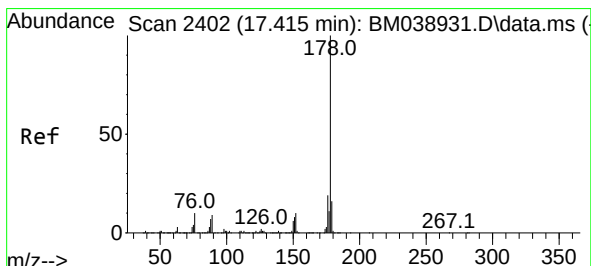
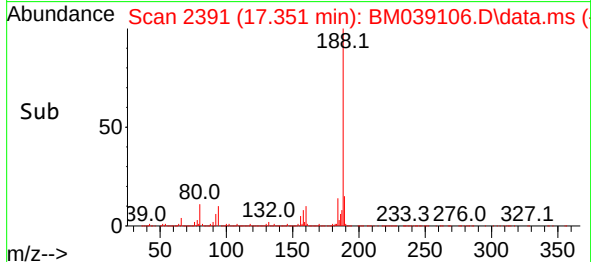
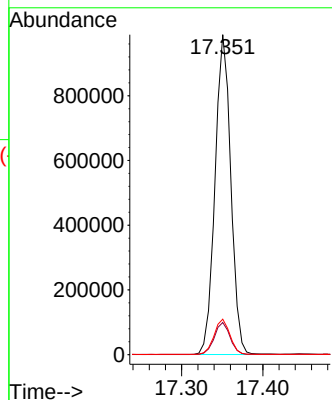
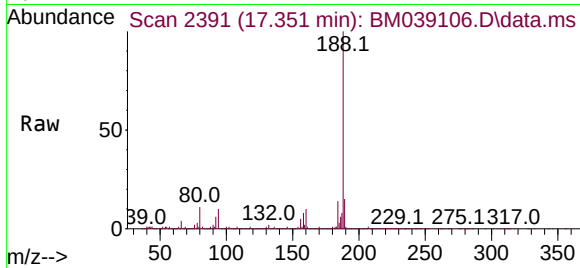




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

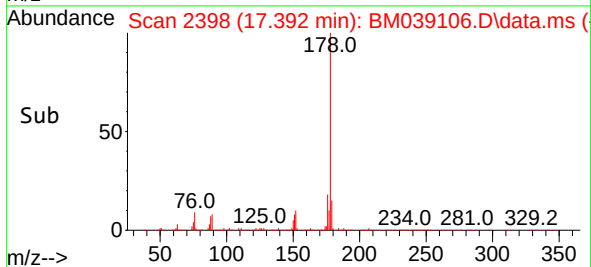
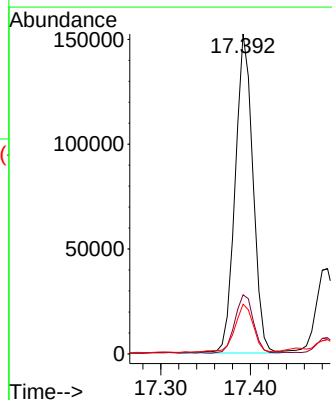
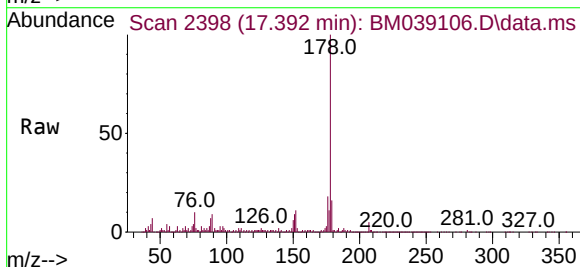
Instrument :
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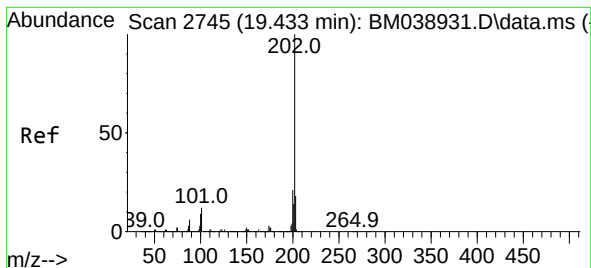
Tgt Ion:188 Resp: 1335947
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 11.1 8.5 12.7



#71
Phenanthrene
Concen: 2.661 ng
RT: 17.392 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion:178 Resp: 208677
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.5 12.5 18.7





#75

Fluoranthene

Concen: 3.910 ng

RT: 19.403 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

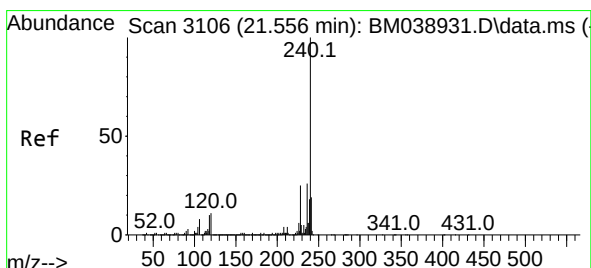
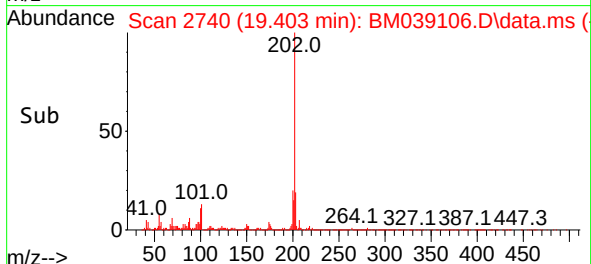
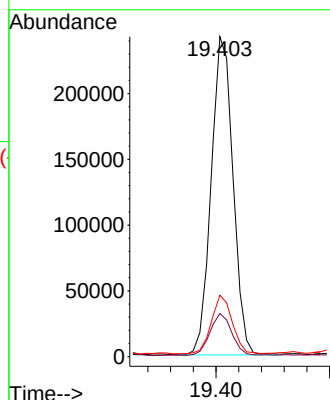
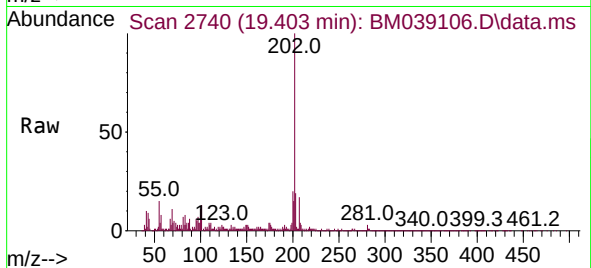
Tgt Ion:202 Resp: 323695

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.7

203 19.2 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

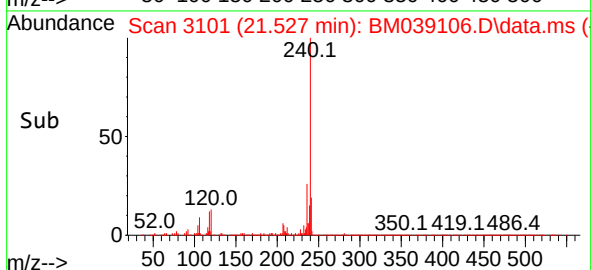
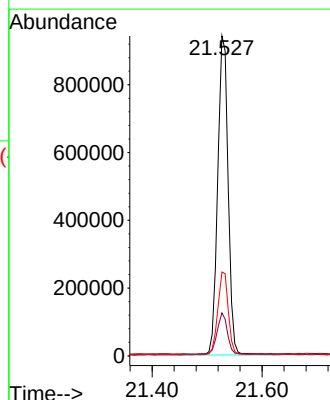
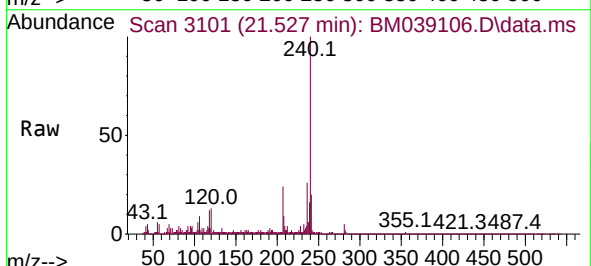
Tgt Ion:240 Resp: 1236099

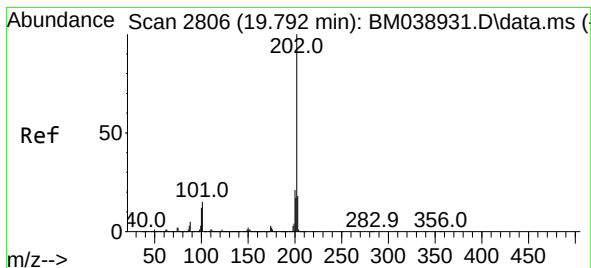
Ion Ratio Lower Upper

240 100

120 13.4 9.2 13.8

236 26.2 20.8 31.2





#78

Pyrene

Concen: 3.239 ng

RT: 19.768 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

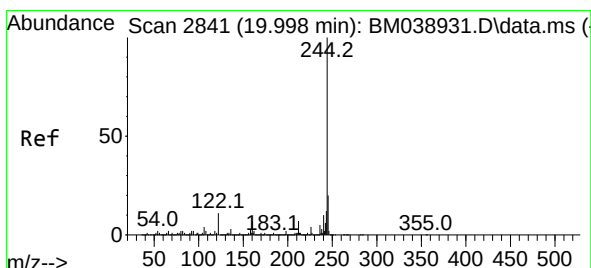
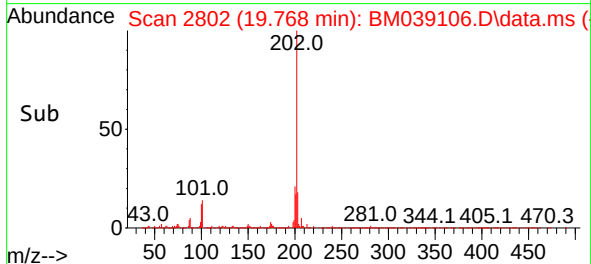
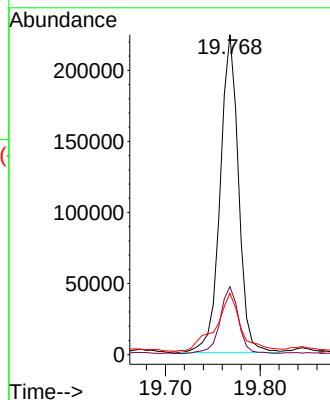
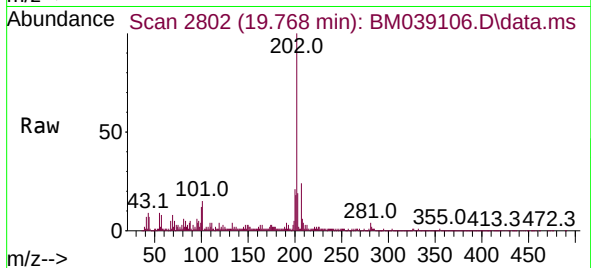
Tgt Ion:202 Resp: 300755

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 19.1 14.1 21.1



#79

Terphenyl-d14

Concen: 63.465 ng

RT: 19.968 min Scan# 2836

Delta R.T. -0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

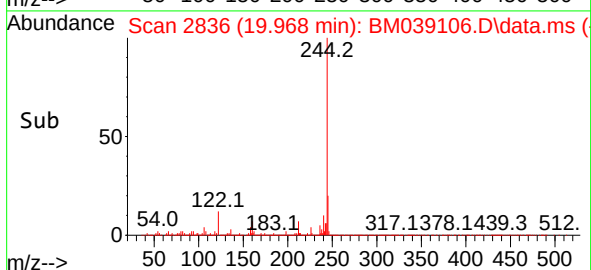
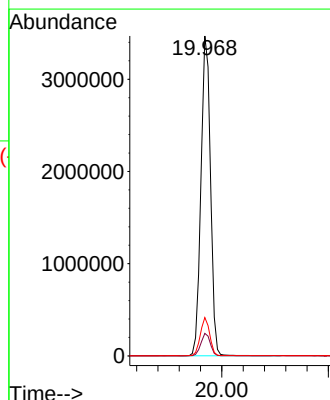
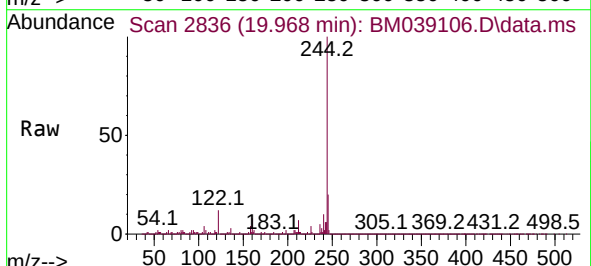
Tgt Ion:244 Resp: 4290775

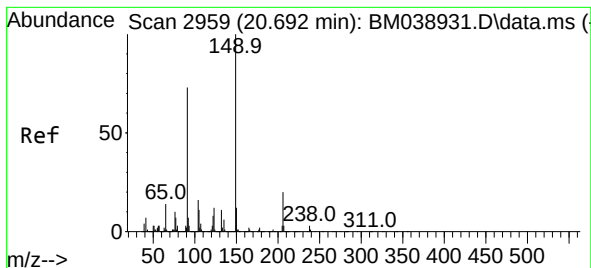
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 12.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 4.118 ng

RT: 20.662 min Scan# 2959

Delta R.T. 0.000 min

Lab File: BM039106.D

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BNA_M

ClientSampleId :

AU-05-32123

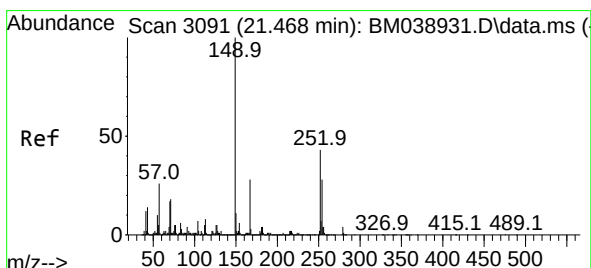
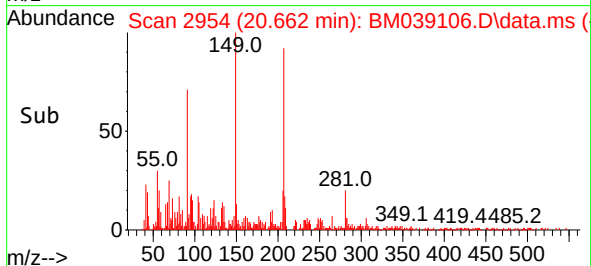
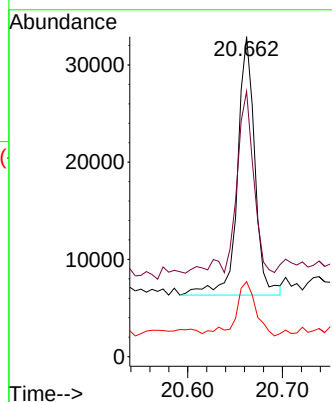
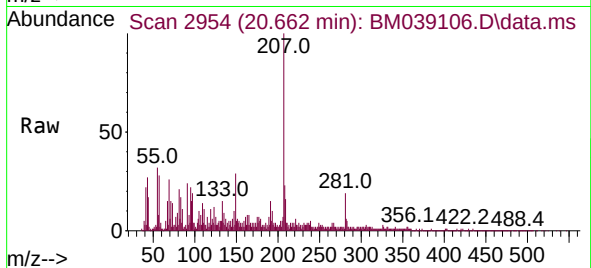
Tgt Ion:149 Resp: 34032

Ion Ratio Lower Upper

149 100

91 82.9 58.4 87.6

206 23.4 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.378 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

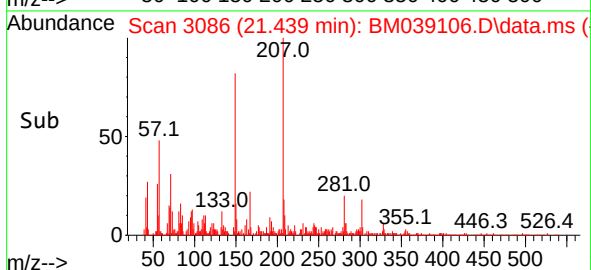
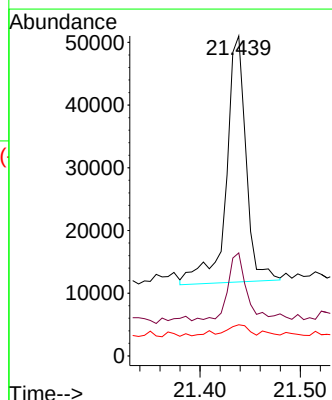
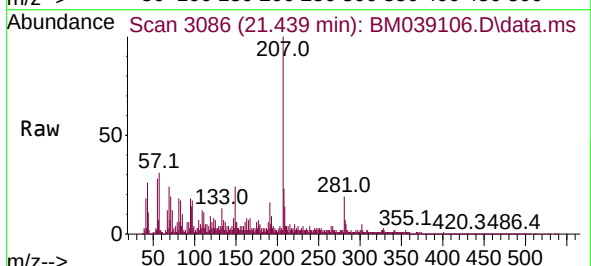
Tgt Ion:149 Resp: 53734

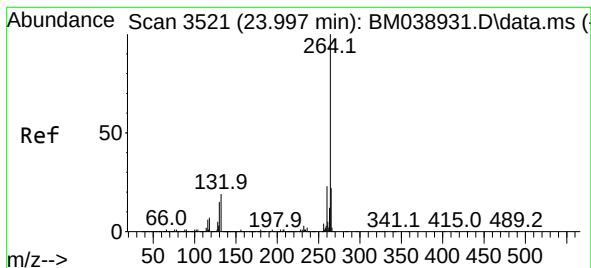
Ion Ratio Lower Upper

149 100

167 32.2 22.3 33.5

279 9.7 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

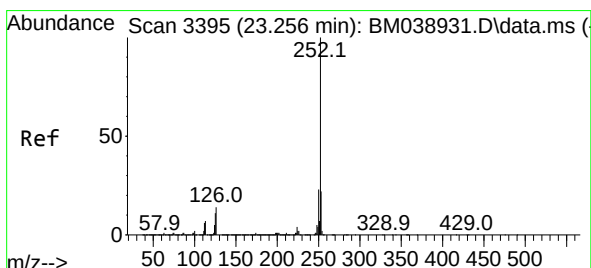
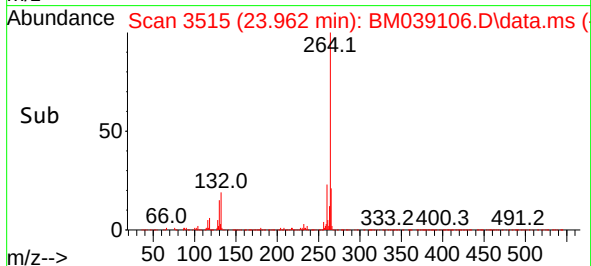
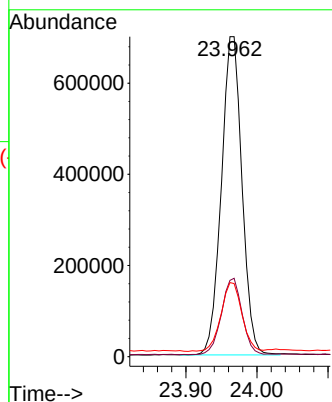
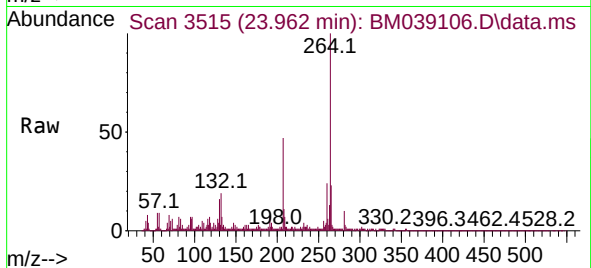
Tgt Ion:264 Resp: 1413556

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 23.1 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 2.012 ng

RT: 23.221 min Scan# 3389

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Tgt Ion:252 Resp: 181675

Ion Ratio Lower Upper

252 100

253 39.8 17.6 26.4#

125 31.7 8.8 13.2#

