

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)

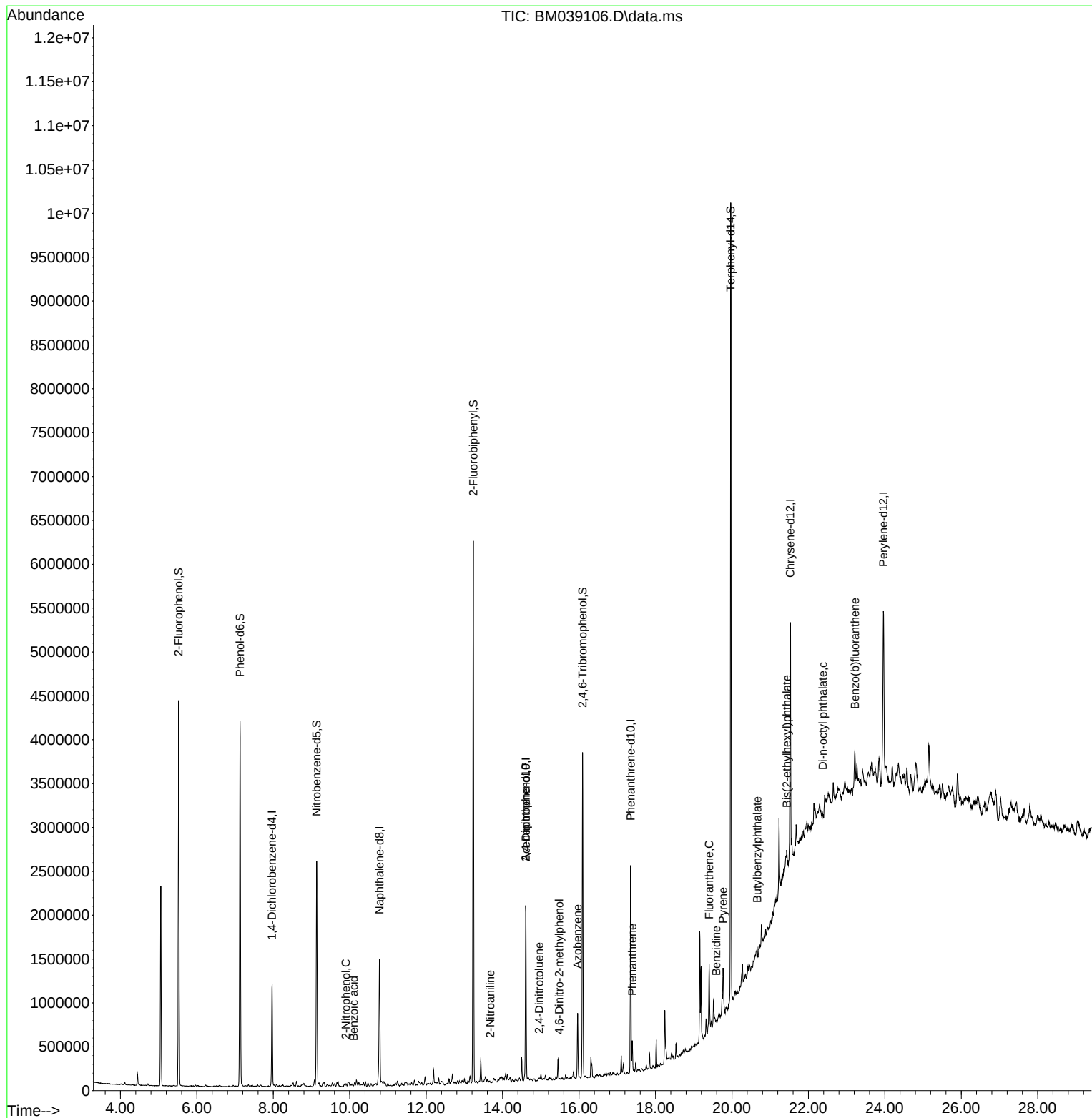
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	311717	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1196752	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	667775	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1335947	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1236099	20.000	ng	0.00
86) Perylene-d12	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
26) 2-Nitrophenol	9.898	139	170	3.005	ng	# 1
32) Benzoic acid	10.104	122	427	5.759	ng	# 1
48) 2-Nitroaniline	13.680	65	326	2.238	ng	# 52
54) 2,4-Dinitrophenol	14.604	184	58	5.199	ng	# 1
57) 2,4-Dinitrotoluene	14.957	165	117	2.079	ng	# 60
63) Azobenzene	15.963	77	203680	3.850	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.480	198	55	5.094	ng	# 1
71) Phenanthrene	17.392	178	208677	2.661	ng	99
75) Fluoranthene	19.403	202	323695	3.910	ng	96
77) Benzidine	19.592	184	354	4.888	ng	# 1
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
85) Di-n-octyl phthalate	22.380	149	4896	3.844	ng	# 72
88) Benzo(b)fluoranthene	23.221	252	181675	2.012	ng	# 57

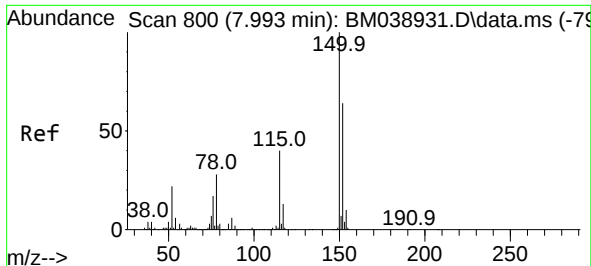
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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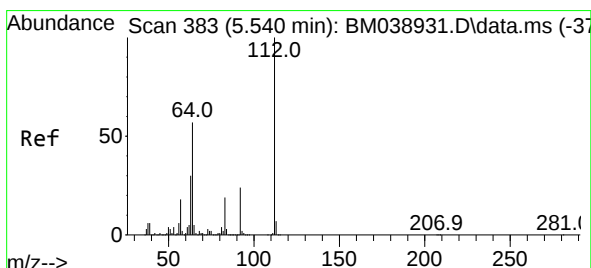
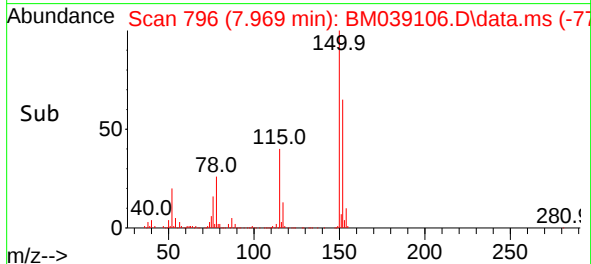
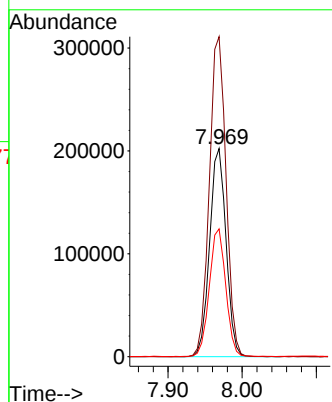
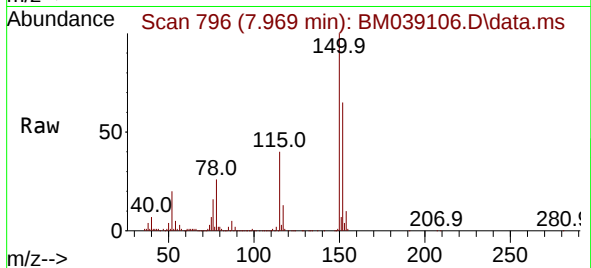




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

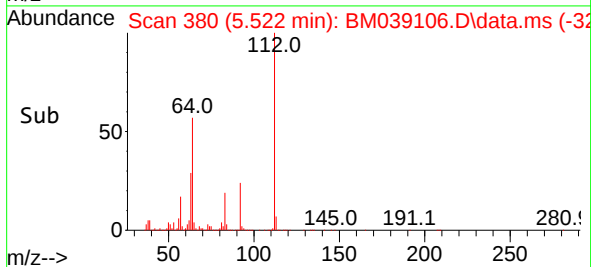
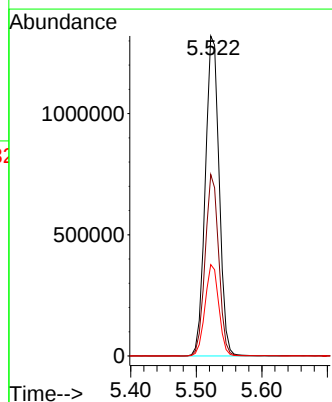
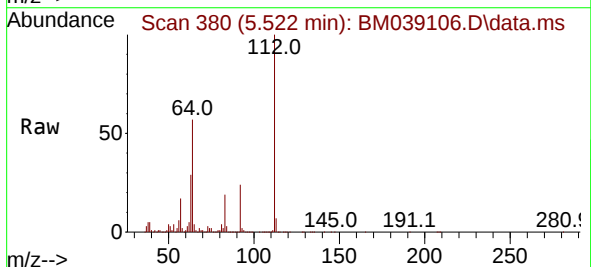
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

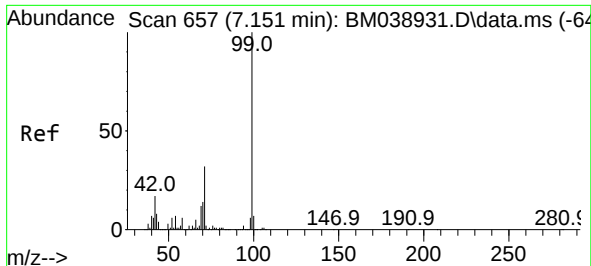
Tgt Ion:152 Resp: 311717
Ion Ratio Lower Upper
152 100
150 153.7 125.1 187.7
115 61.4 49.6 74.4



#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



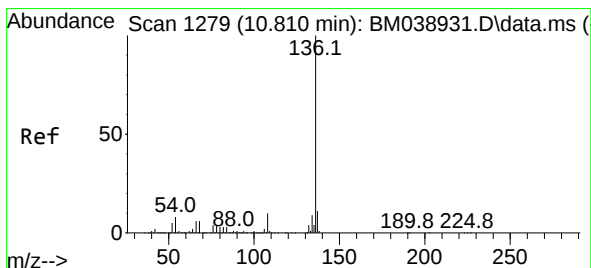
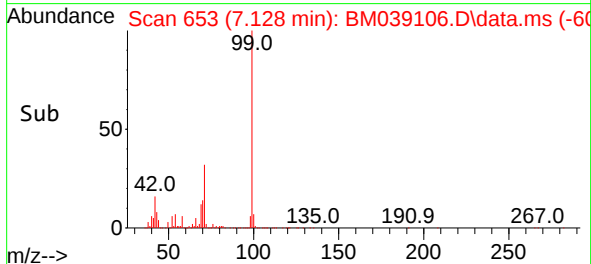
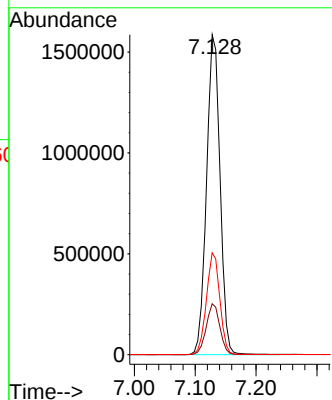
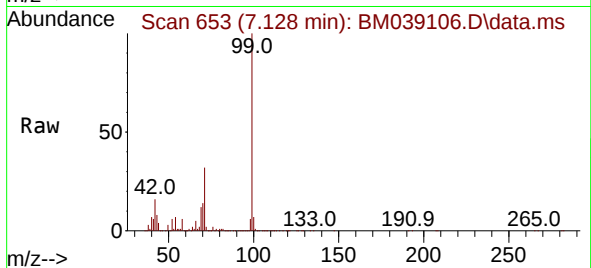


#7
Phenol-d6
Concen: 91.711 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Instrument :
BNA_M
ClientSampleId :
AU-05-32123

Tgt Ion: 99 Resp: 2444093

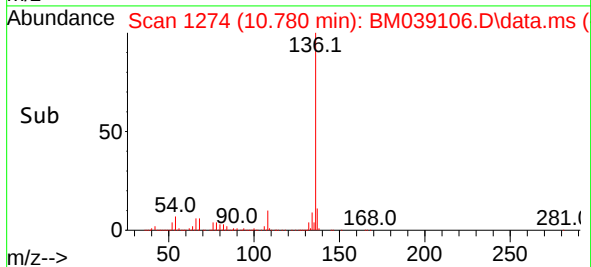
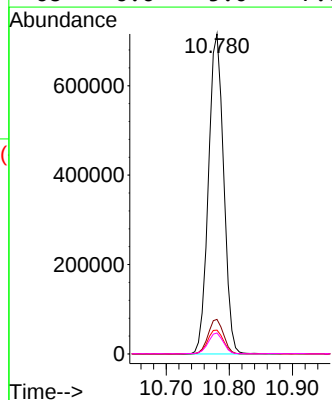
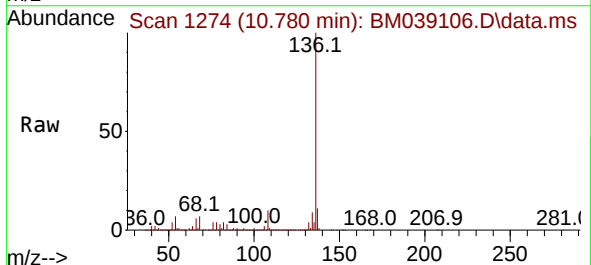
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	31.8	25.6	38.4

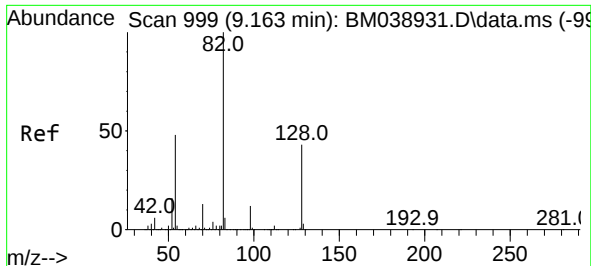


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

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

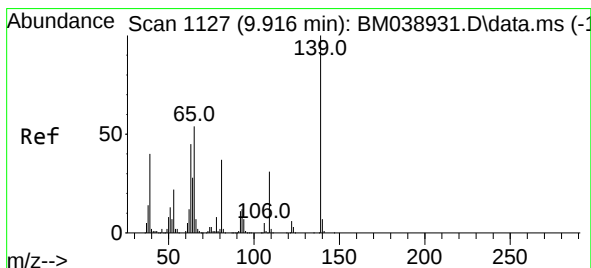
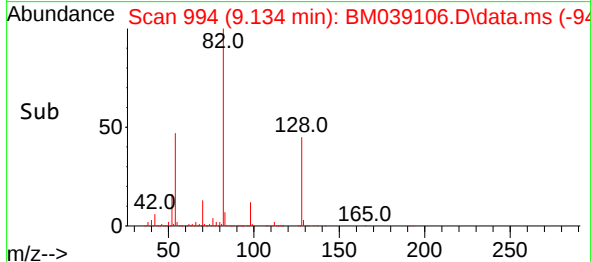
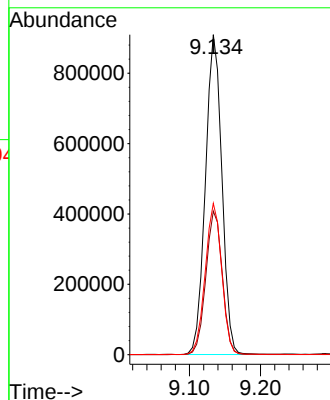
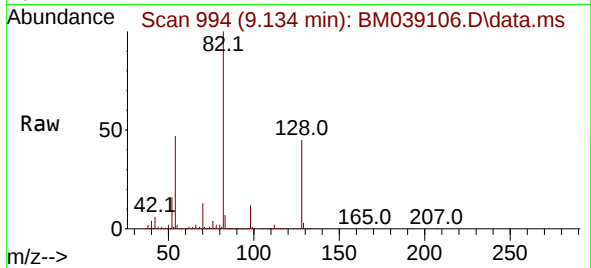




#23
Nitrobenzene-d5
Concen: 60.212 ng
RT: 9.134 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

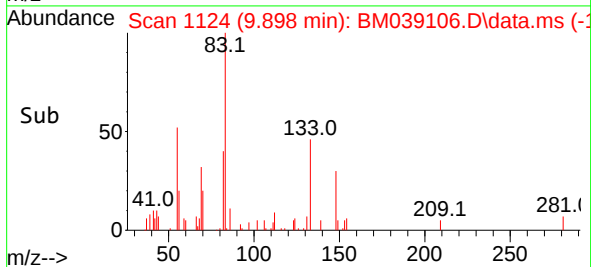
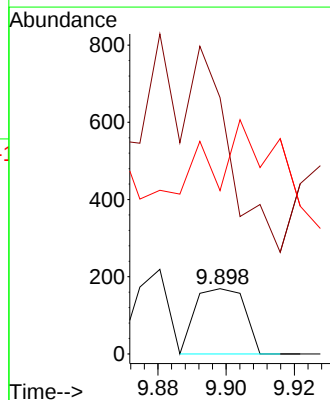
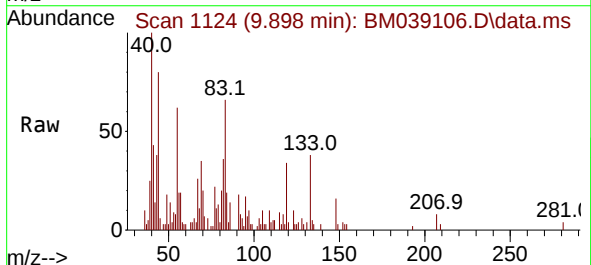
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

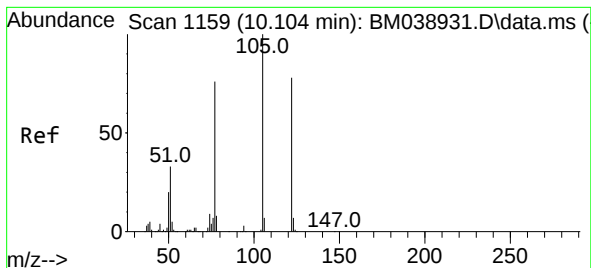
Tgt Ion: 82 Resp: 1466956
Ion Ratio Lower Upper
82 100
128 44.9 34.4 51.6
54 47.3 38.8 58.2



#26
2-Nitrophenol
Concen: 3.005 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion: 139 Resp: 170
Ion Ratio Lower Upper
139 100
109 392.9 24.5 36.7#
65 250.3 43.0 64.6#





#32

Benzoic acid

Concen: 5.759 ng

RT: 10.104 min Scan# 1159

Delta R.T. 0.018 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

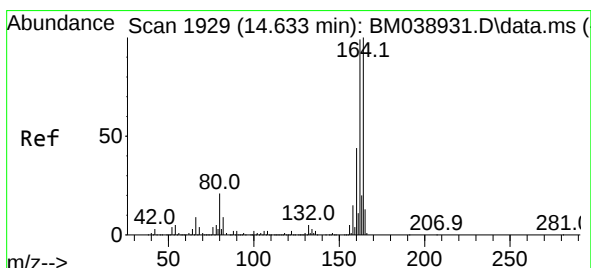
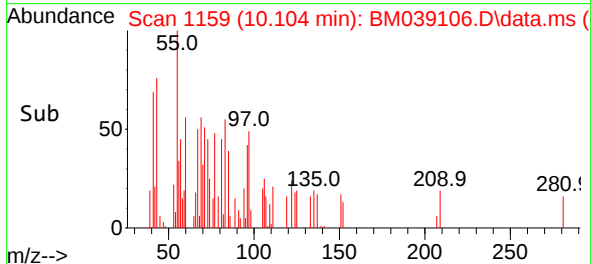
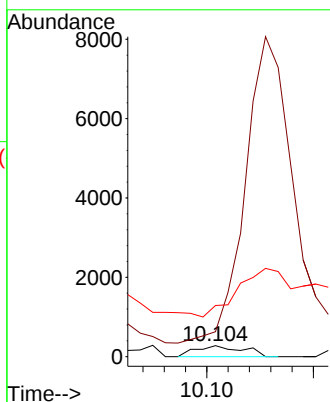
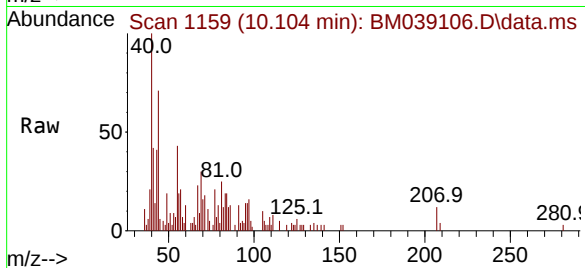
Tgt Ion:122 Resp: 427

Ion Ratio Lower Upper

122 100

105 224.6 104.2 144.2#

77 461.4 75.1 115.1#



#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

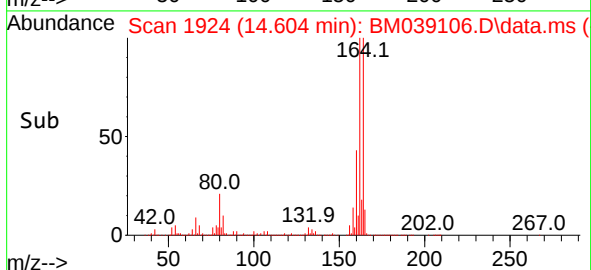
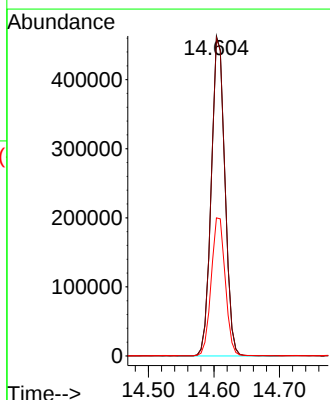
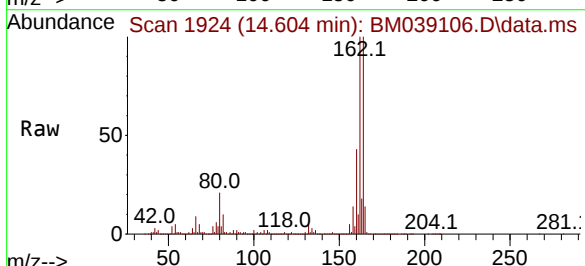
Tgt Ion:164 Resp: 667775

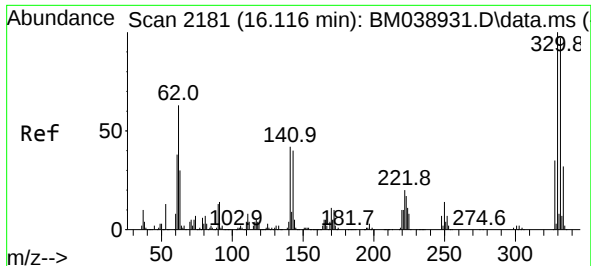
Ion Ratio Lower Upper

164 100

162 99.5 79.2 118.8

160 43.2 35.5 53.3

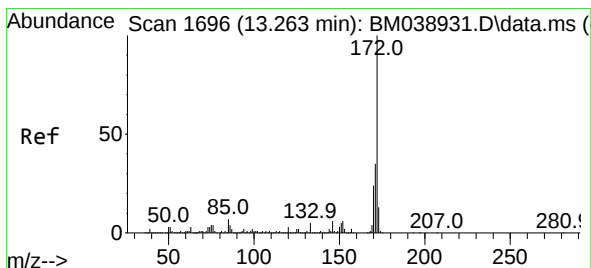
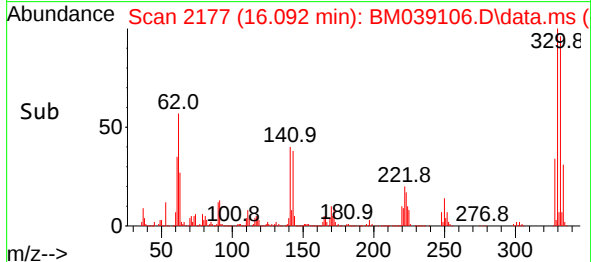
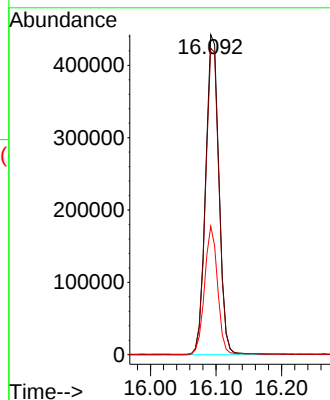
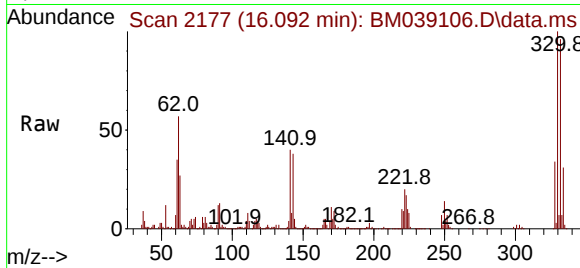




#42
2,4,6-Tribromophenol
Concen: 81.473 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

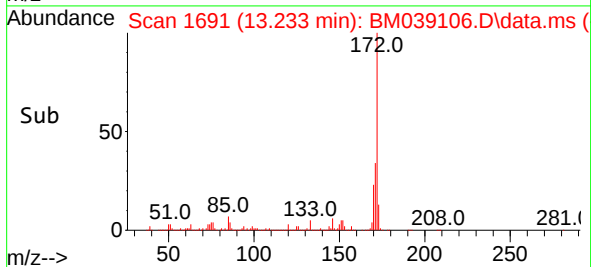
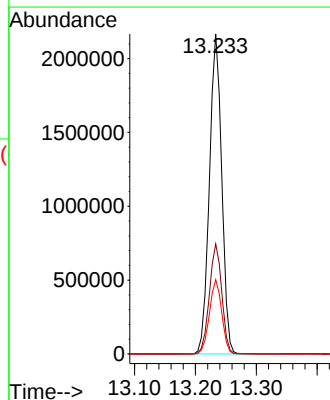
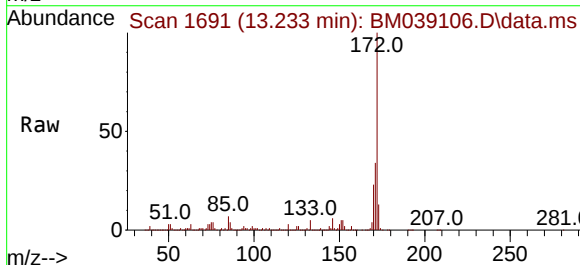
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

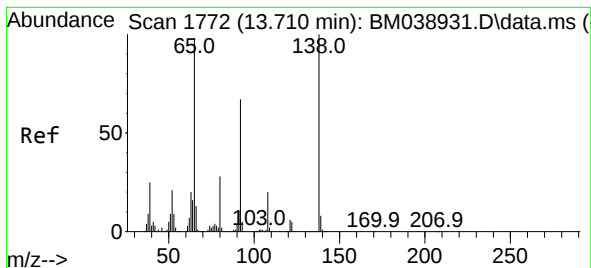
Tgt Ion:330 Resp: 629389
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 38.5 32.2 48.4



#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





#48

2-Nitroaniline

Concen: 2.238 ng

RT: 13.680 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

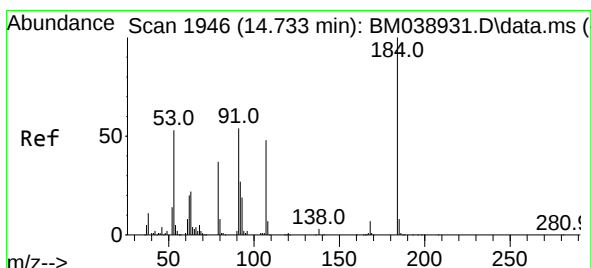
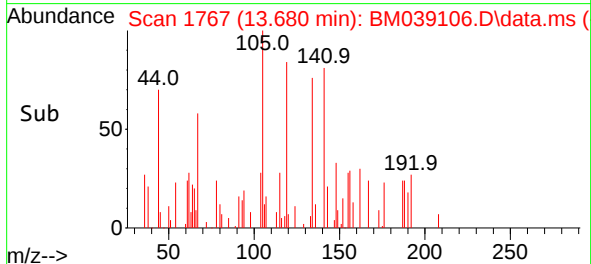
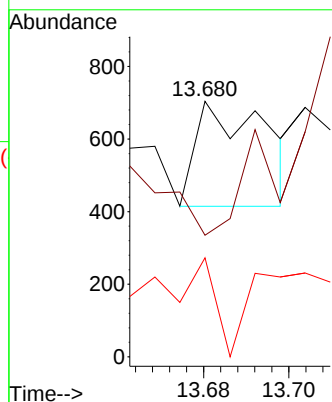
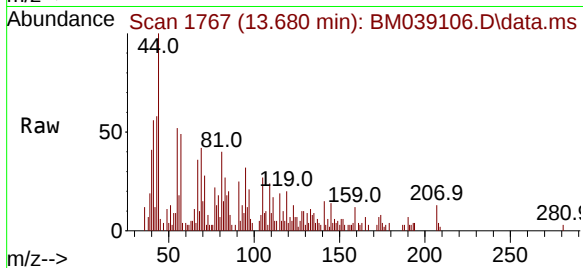
Tgt Ion: 65 Resp: 326

Ion Ratio Lower Upper

65 100

92 47.6 54.9 82.3#

138 38.8 81.6 122.4#



#54

2,4-Dinitrophenol

Concen: 5.199 ng

RT: 14.604 min Scan# 1924

Delta R.T. -0.112 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

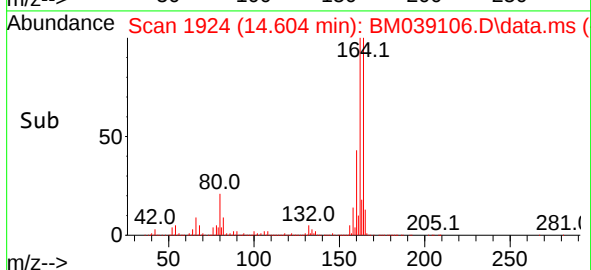
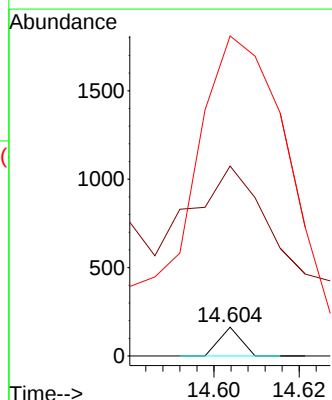
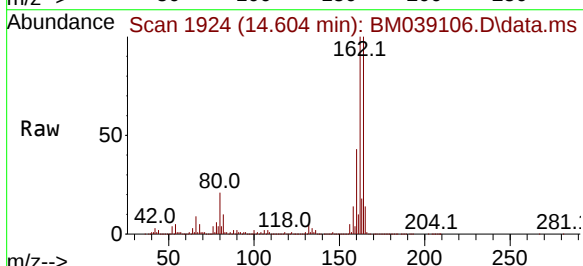
Tgt Ion:184 Resp: 58

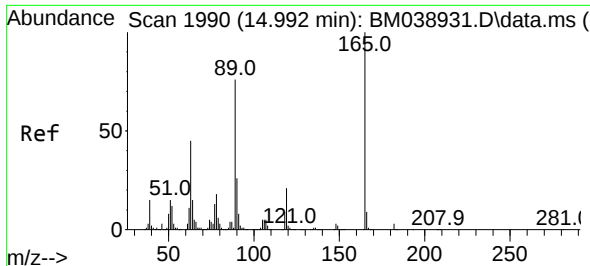
Ion Ratio Lower Upper

184 100

63 658.9 60.6 90.8#

154 1110.4 51.4 77.2#

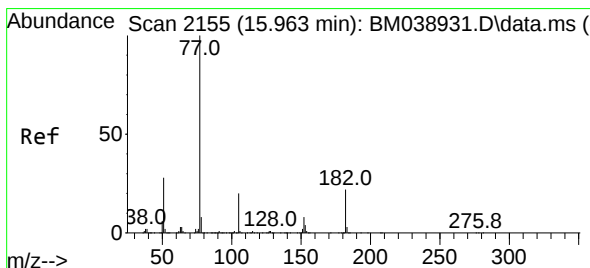
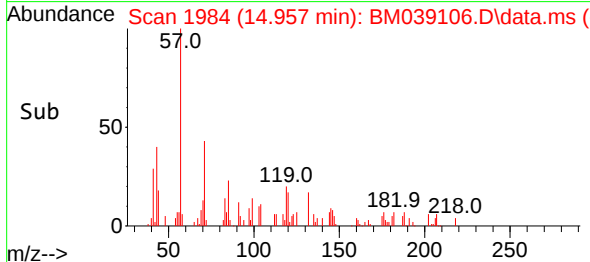
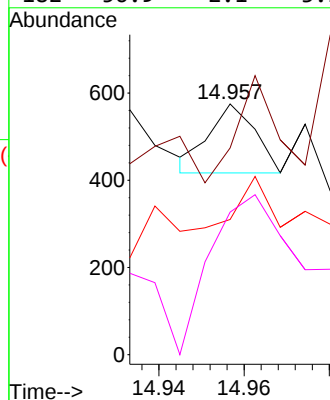
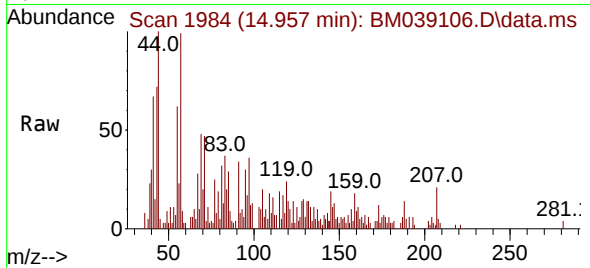




#57
2,4-Dinitrotoluene
Concen: 2.079 ng
RT: 14.957 min Scan# 1990
Delta R.T. -0.012 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

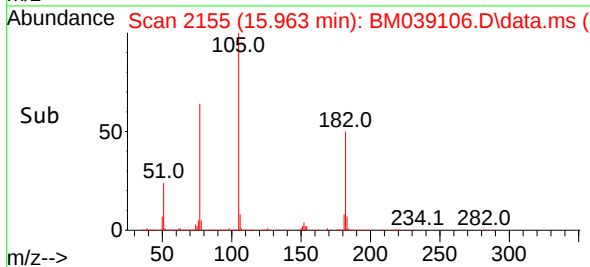
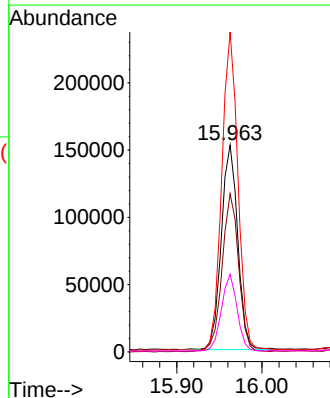
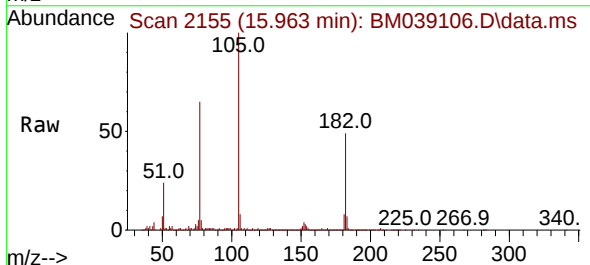
Instrument :
BNA_M
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AU-05-32123

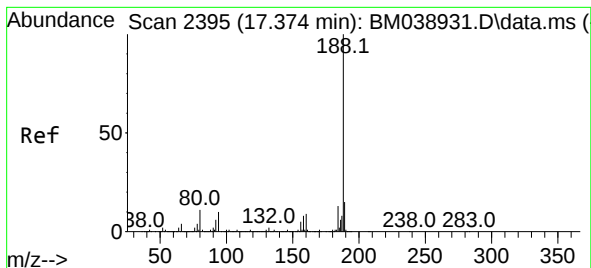
Tgt Ion:165 Resp: 117
Ion Ratio Lower Upper
165 100
63 82.4 35.9 53.9#
89 53.9 61.0 91.6#
182 56.9 2.1 3.1#



#63
Azobenzene
Concen: 3.850 ng
RT: 15.963 min Scan# 2155
Delta R.T. 0.024 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion: 77 Resp: 203680
Ion Ratio Lower Upper
77 100
182 76.5 2.0 42.0#
105 154.7 0.4 40.4#
51 37.6 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

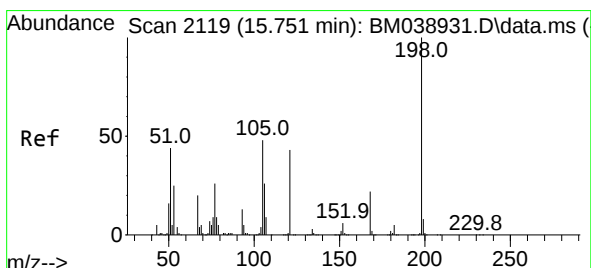
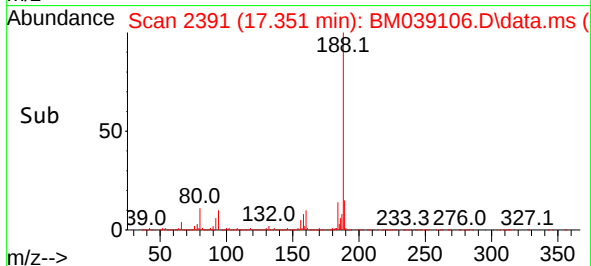
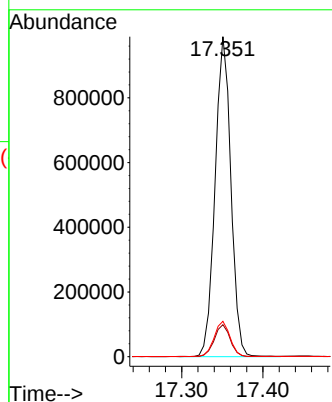
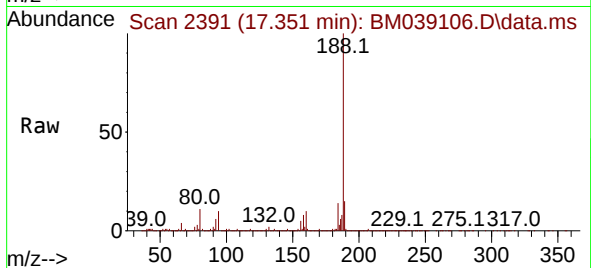
Tgt Ion:188 Resp: 1335947

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 11.1 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.094 ng

RT: 15.480 min Scan# 2073

Delta R.T. -0.253 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

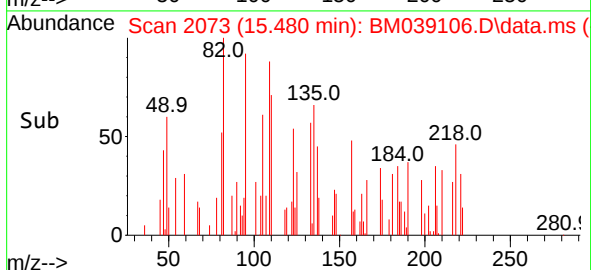
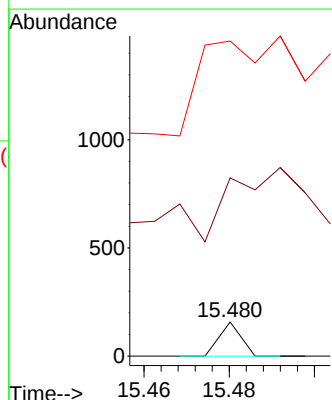
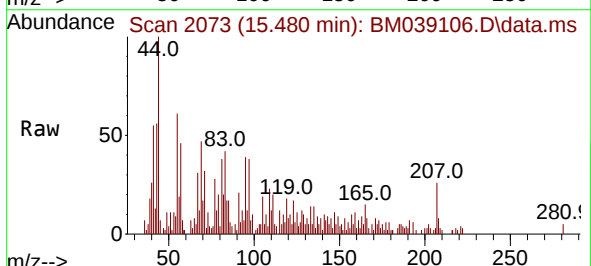
Tgt Ion:198 Resp: 55

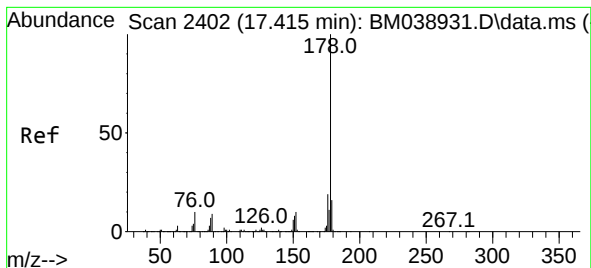
Ion Ratio Lower Upper

198 100

51 524.8 30.1 70.1#

105 927.4 29.3 69.3#





#71

Phenanthrene

Concen: 2.661 ng

RT: 17.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

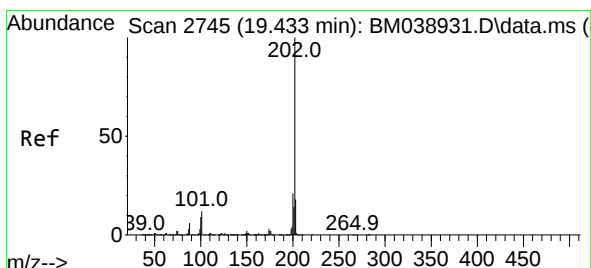
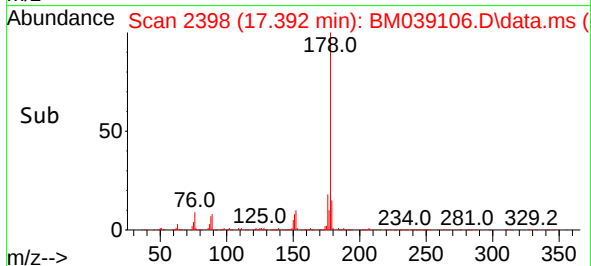
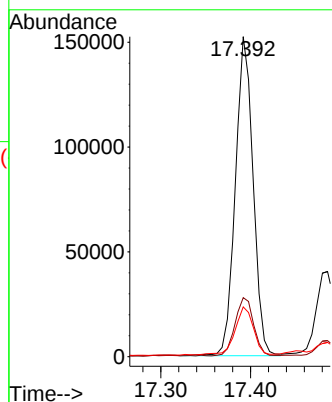
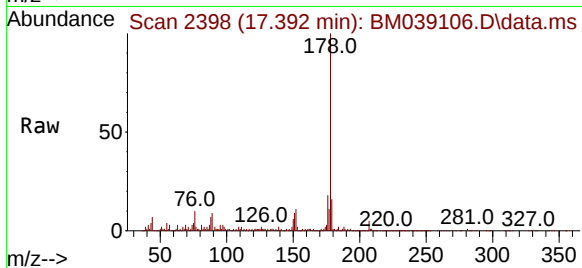
Tgt Ion:178 Resp: 208677

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# 2740

Delta R.T. -0.006 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

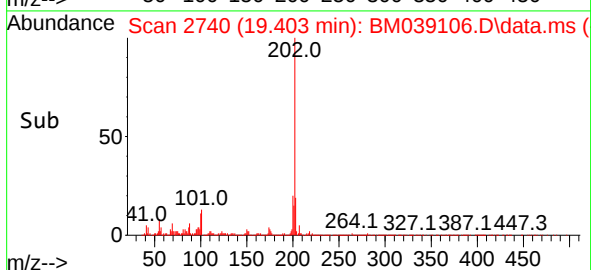
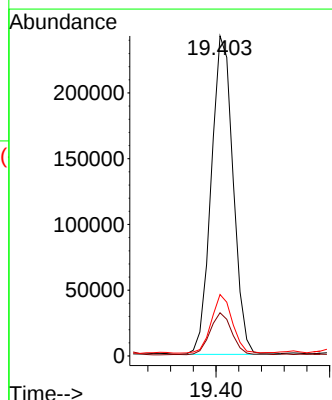
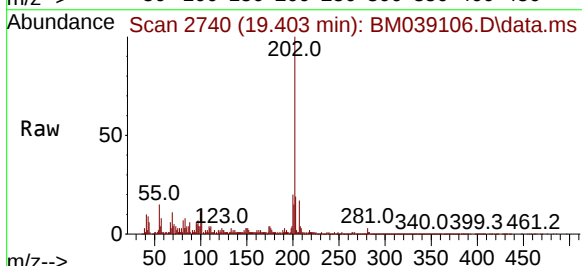
Tgt Ion:202 Resp: 323695

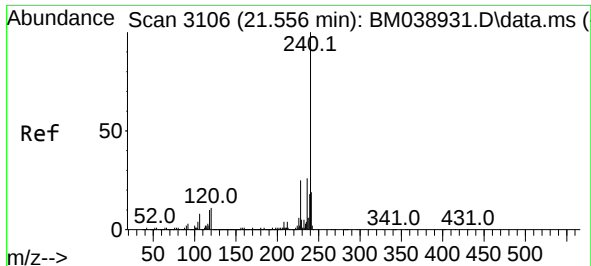
Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.7

203 19.2 0.0 37.6

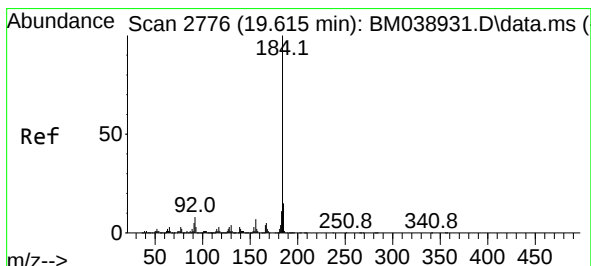
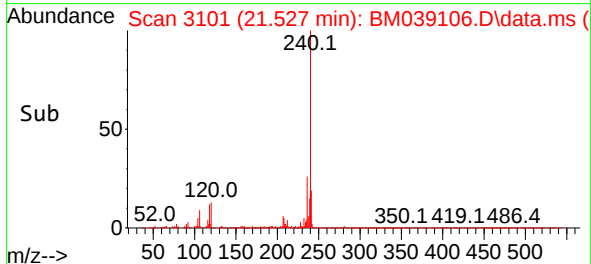
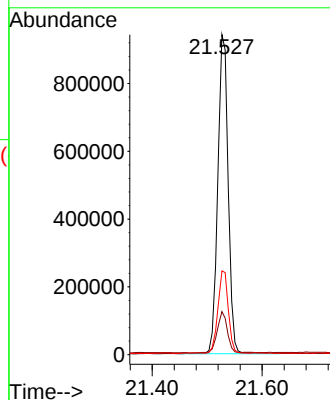
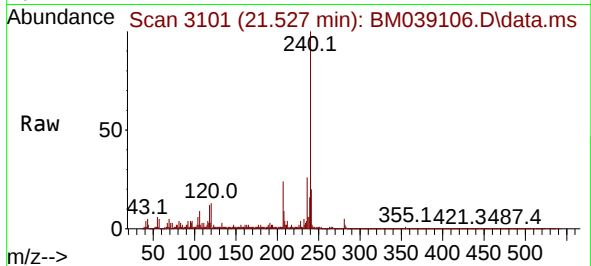




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

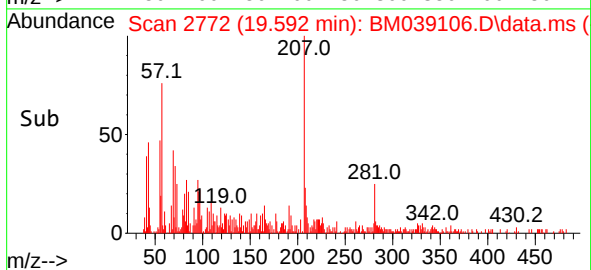
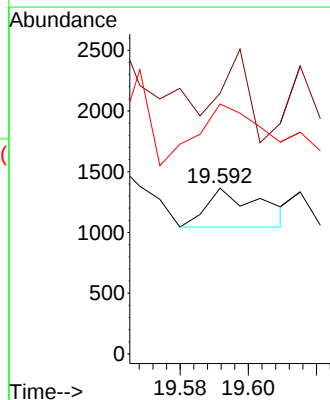
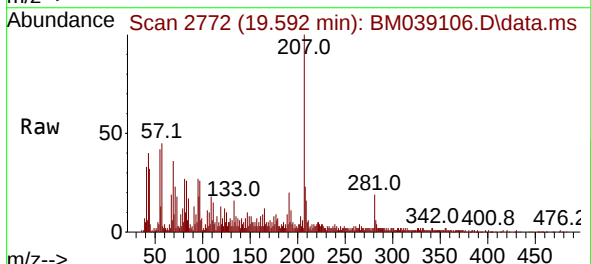
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

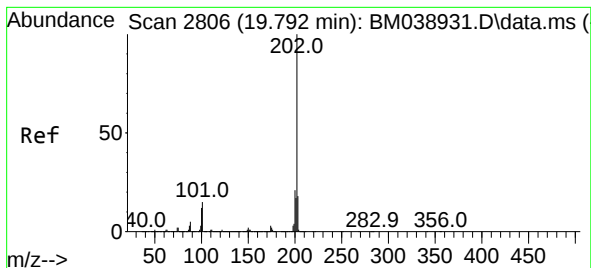
Tgt Ion:240 Resp: 1236099
Ion Ratio Lower Upper
240 100
120 13.4 9.2 13.8
236 26.2 20.8 31.2



#77
Benzidine
Concen: 4.888 ng
RT: 19.592 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

Tgt Ion:184 Resp: 354
Ion Ratio Lower Upper
184 100
185 157.3 12.2 18.4#
183 150.8 8.8 13.2#





#78

Pyrene

Concen: 3.239 ng

RT: 19.768 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039106.D

Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123

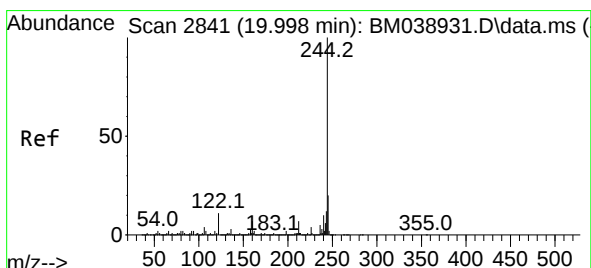
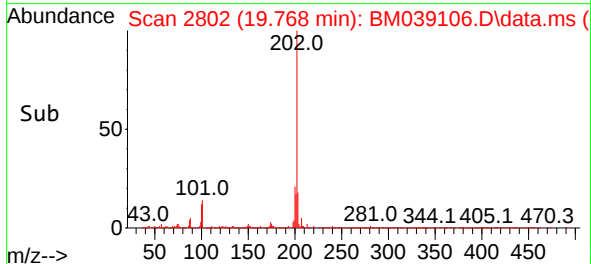
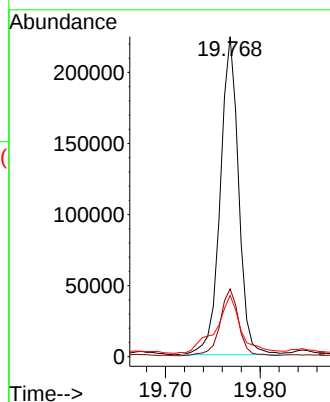
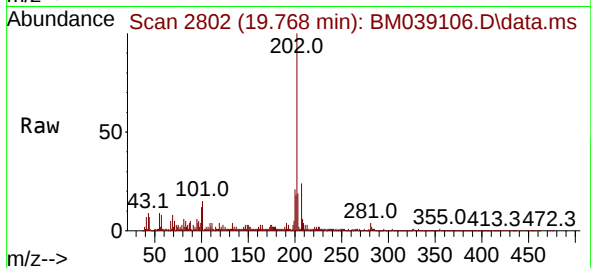
Tgt Ion:202 Resp: 300755

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

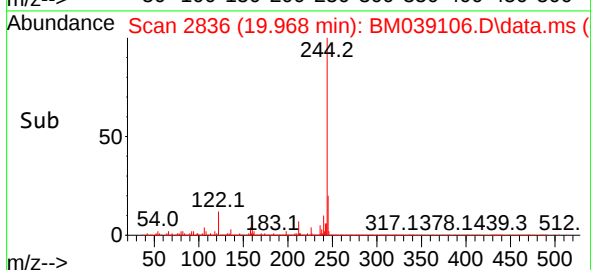
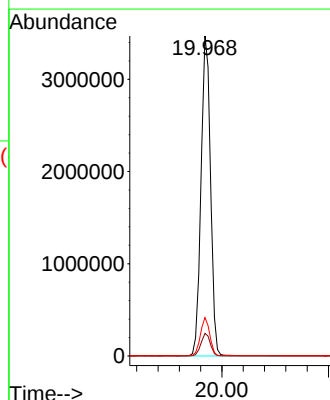
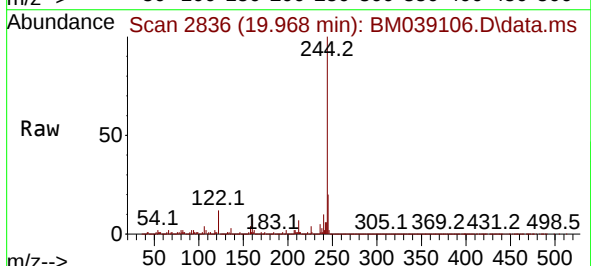
Tgt Ion:244 Resp: 4290775

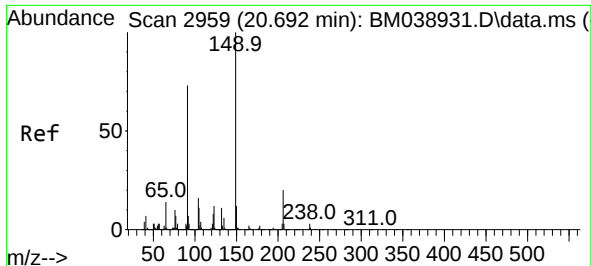
Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 12.0 9.0 13.4

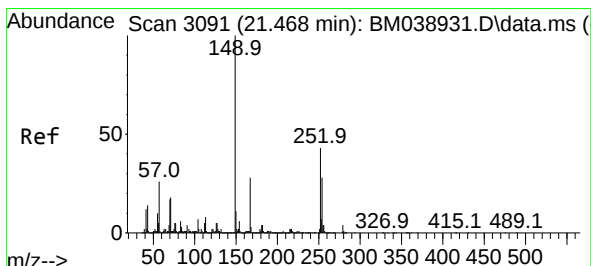
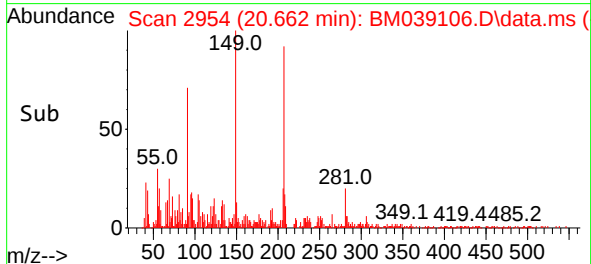
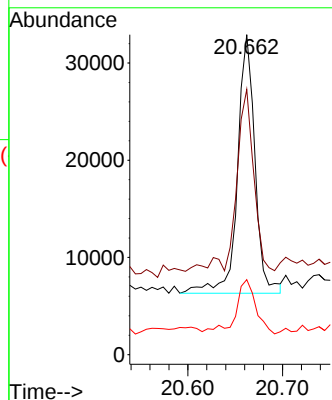
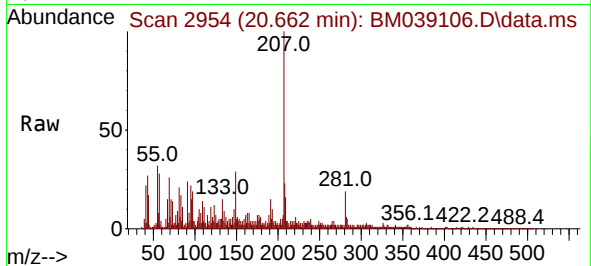




#80
 Butylbenzylphthalate
 Concen: 4.118 ng
 RT: 20.662 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: BM039106.D
 Acq: 22 Mar 2023 23:53

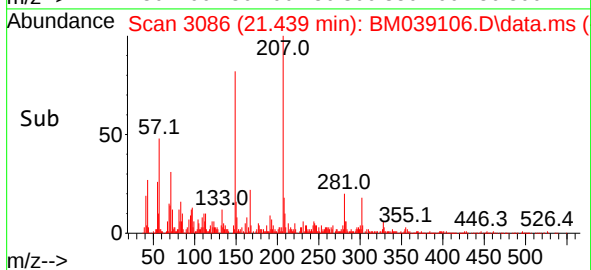
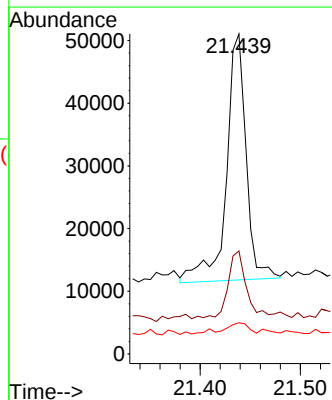
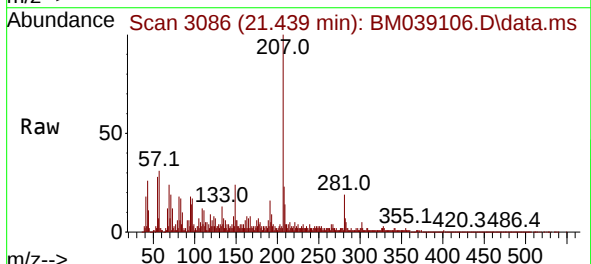
Instrument :
 BNA_M
 ClientSampleId :
 AU-05-32123

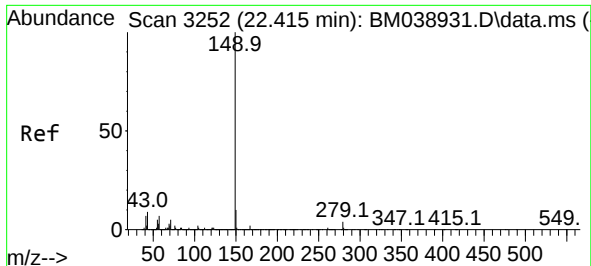
Tgt Ion:149 Resp: 34032
 Ion Ratio Lower Upper
 149 100
 91 82.9 58.4 87.6
 206 23.4 16.1 24.1



#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#

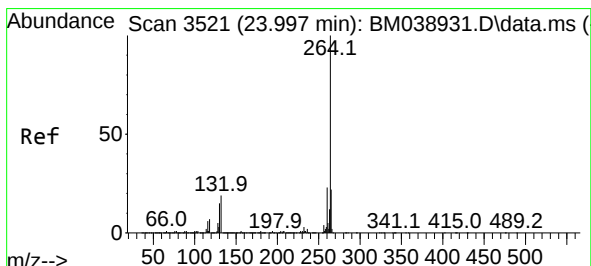
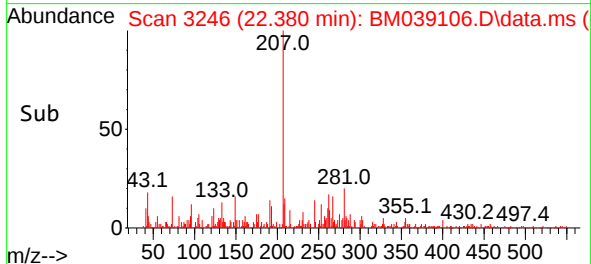
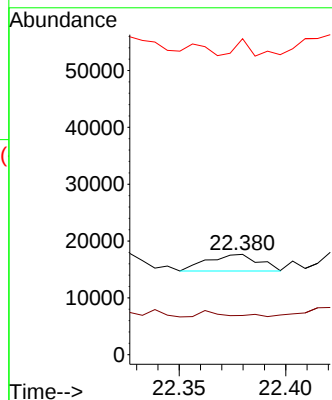
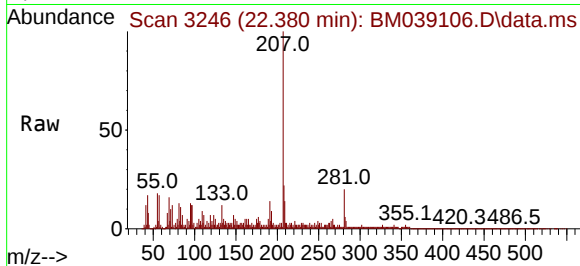




#85
Di-n-octyl phthalate
Concen: 3.844 ng
RT: 22.380 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

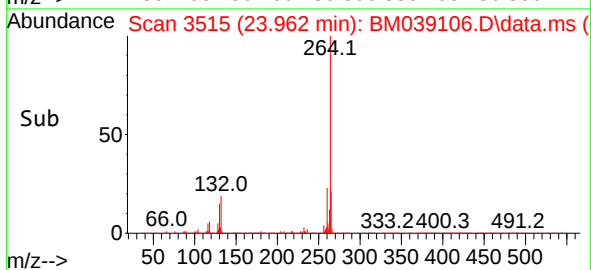
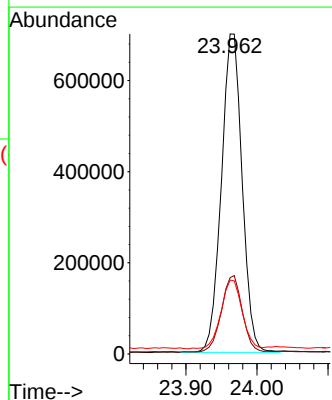
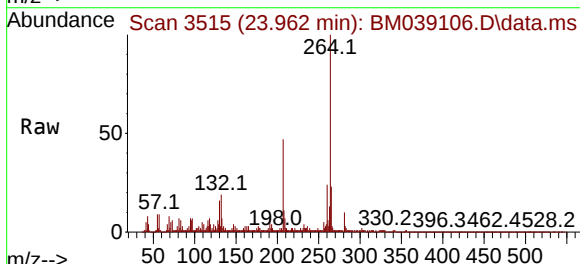
Instrument :
BNA_M
ClientSampleId :
AU-05-32123

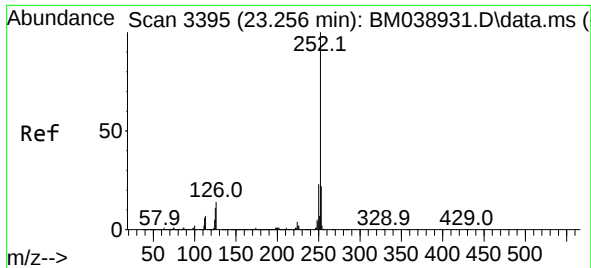
Tgt Ion:149 Resp: 4896
Ion Ratio Lower Upper
149 100
167 17.9 1.2 1.8#
43 0.0 7.4 11.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM039106.D
Acq: 22 Mar 2023 23:53

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# 31

Delta R.T. 0.000 min

Lab File: BM039106.D

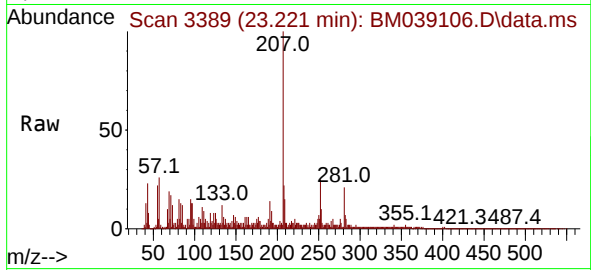
Acq: 22 Mar 2023 23:53

Instrument :

BNA_M

ClientSampleId :

AU-05-32123



Tgt Ion:252 Resp: 181675

Ion Ratio Lower Upper

252 100

253 39.8 17.6 26.4#

125 31.7 8.8 13.2#

