

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041423\
 Data File : BM039436.D
 Acq On : 14 Apr 2023 16:34
 Operator : CG/JU
 Sample : 02307-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-041223DL

Quant Time: Apr 14 17:58:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 17:54:10 2023
 Response via : Initial Calibration

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

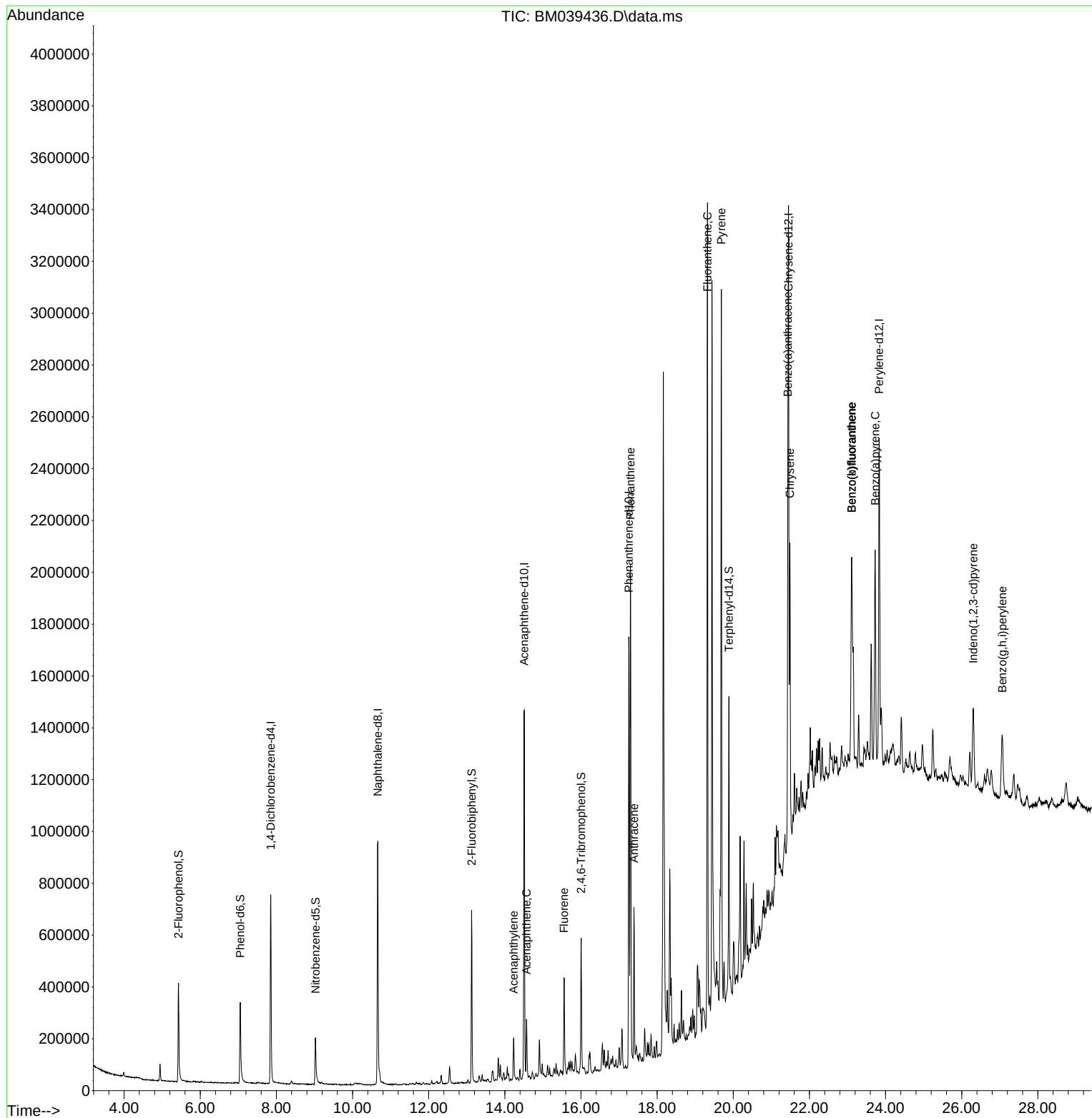
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	203463	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	839070	20.000	ng	0.00
39) Acenaphthene-d10	14.510	164	506066	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	1050268	20.000	ng	0.00
76) Chrysene-d12	21.450	240	923099	20.000	ng	0.00
86) Perylene-d12	23.833	264	985029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	196100	14.521	ng	0.00
7) Phenol-d6	7.051	99	245902	14.078	ng	0.00
23) Nitrobenzene-d5	9.028	82	144673	8.380	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	85673	13.336	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	352358	9.434	ng	0.00
79) Terphenyl-d14	19.886	244	529411	10.596	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	124892	2.511	ng	99
52) Acenaphthene	14.569	154	78827	2.684	ng	97
58) Fluorene	15.557	166	168591	4.503	ng	99
71) Phenanthrene	17.298	178	1200683	20.874	ng	100
72) Anthracene	17.392	178	369509	6.300	ng	100
75) Fluoranthene	19.321	202	1752969	26.734	ng	99
78) Pyrene	19.686	202	1643764	25.014	ng	99
81) Benzo(a)anthracene	21.433	228	695014	10.676	ng	97
83) Chrysene	21.486	228	634394	10.094	ng	98
87) Indeno(1,2,3-cd)pyrene	26.303	276	335063	4.617	ng	96
88) Benzo(b)fluoranthene	23.109	252	1026238	17.027	ng	95
89) Benzo(k)fluoranthene	23.109	252	1026238	16.716	ng	# 95
90) Benzo(a)pyrene	23.727	252	585159	9.883	ng	97
92) Benzo(g,h,i)perylene	27.068	276	321609	5.366	ng	98

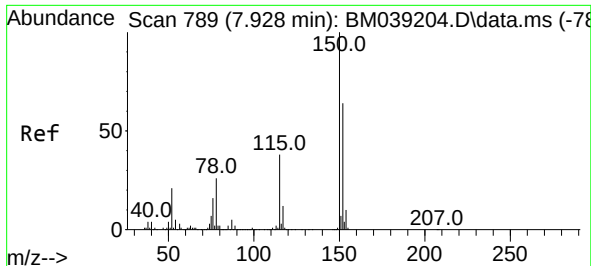
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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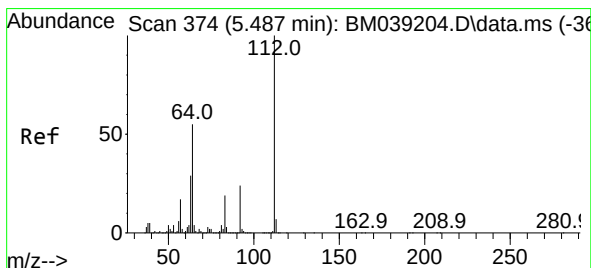
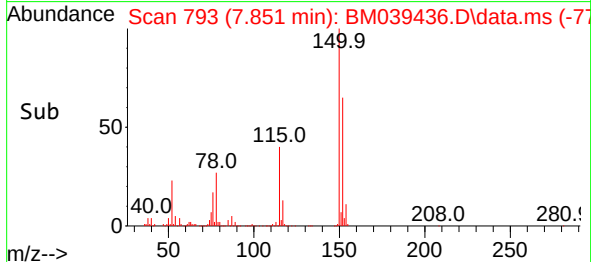
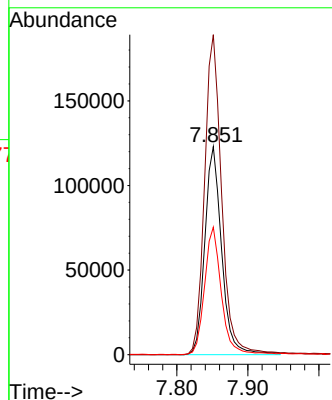
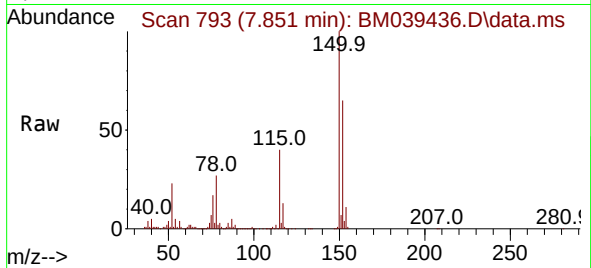




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

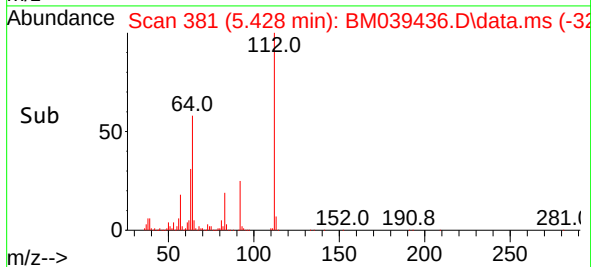
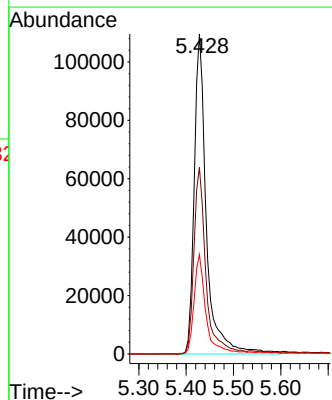
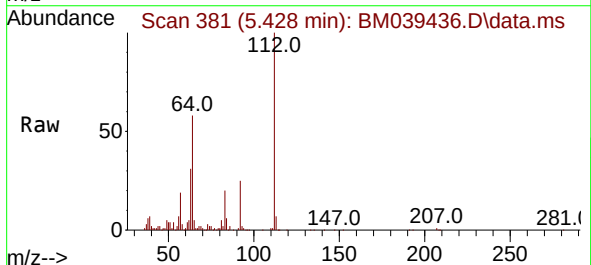
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

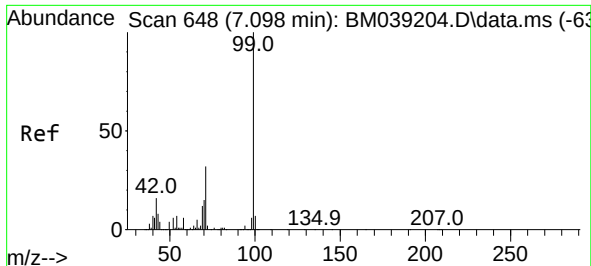
Tgt Ion:152 Resp: 203463
Ion Ratio Lower Upper
152 100
150 153.9 125.5 188.3
115 61.3 48.1 72.1



#5
2-Fluorophenol
Concen: 14.521 ng
RT: 5.428 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:112 Resp: 196100
Ion Ratio Lower Upper
112 100
64 58.3 44.3 66.5
63 31.1 23.0 34.6

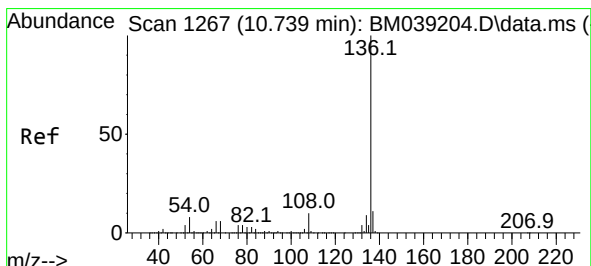
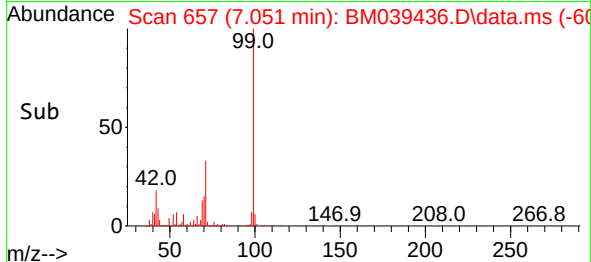
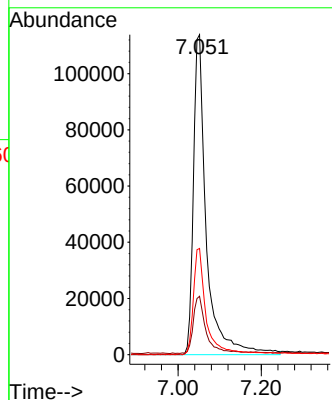
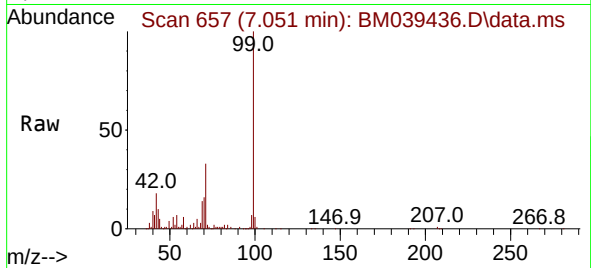




#7
Phenol-d6
Concen: 14.078 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

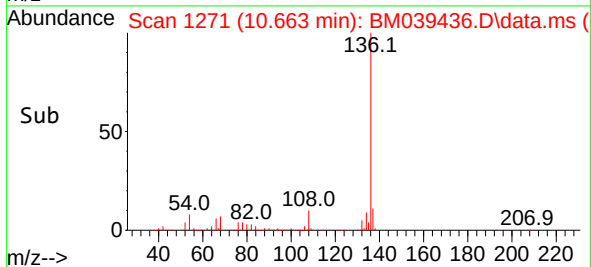
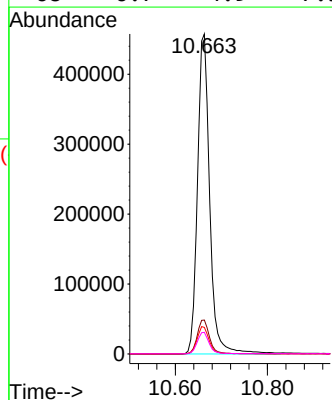
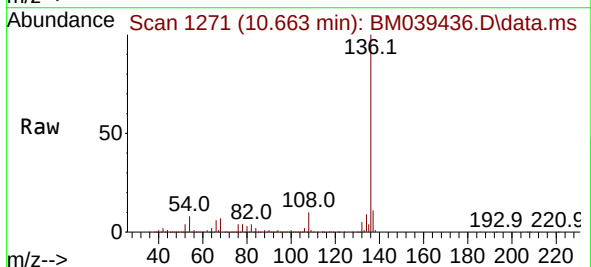
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

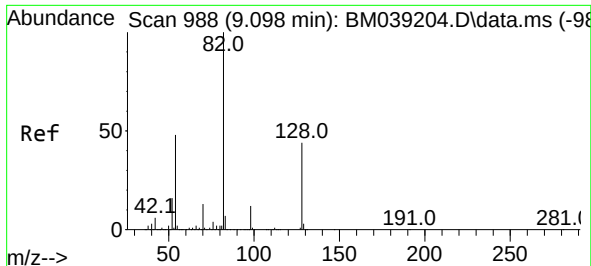
Tgt Ion: 99 Resp: 245902
Ion Ratio Lower Upper
99 100
42 18.2 13.0 19.6
71 33.2 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion: 136 Resp: 839070
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.3 6.2 9.4
68 6.7 4.9 7.3

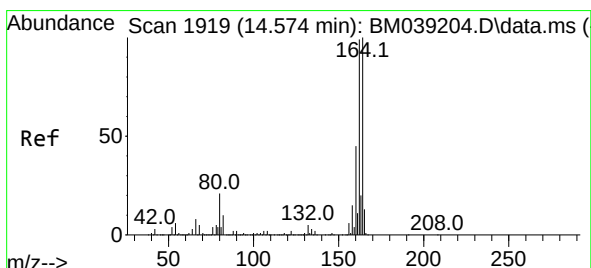
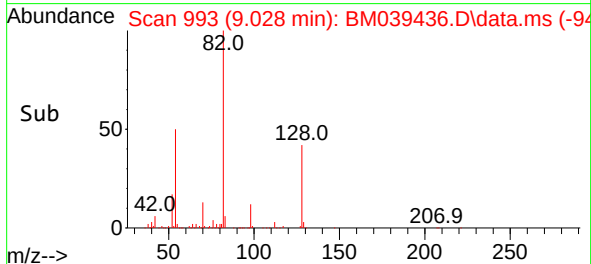
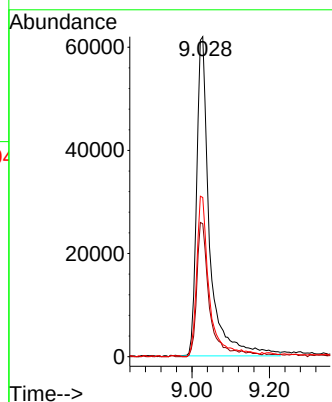
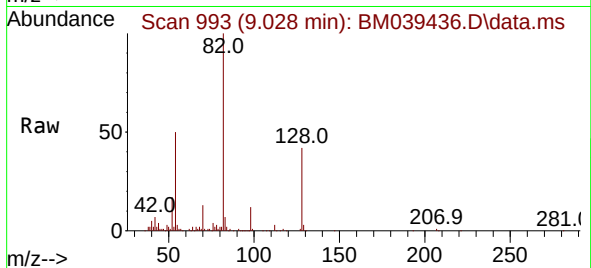




#23
Nitrobenzene-d5
Concen: 8.380 ng
RT: 9.028 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

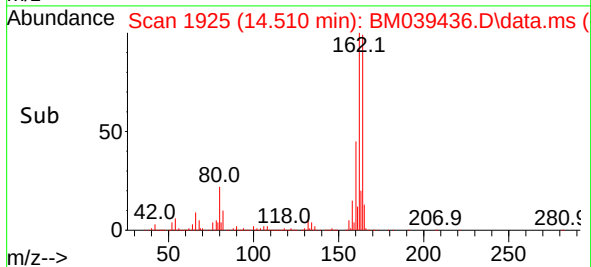
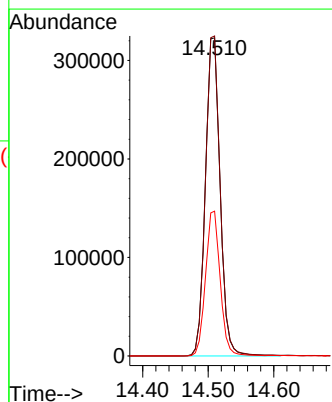
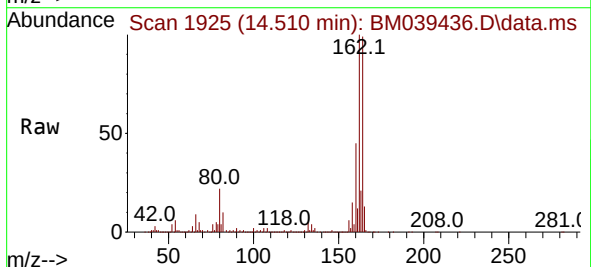
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

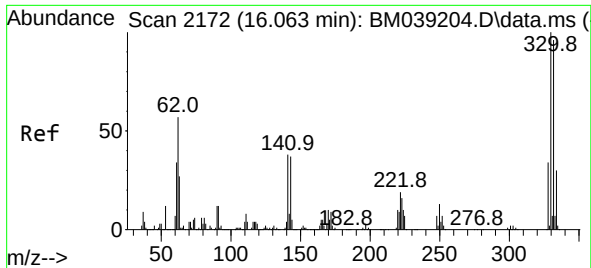
Tgt Ion: 82 Resp: 144673
Ion Ratio Lower Upper
82 100
128 41.5 35.1 52.7
54 49.7 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion: 164 Resp: 506066
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 45.5 35.8 53.8

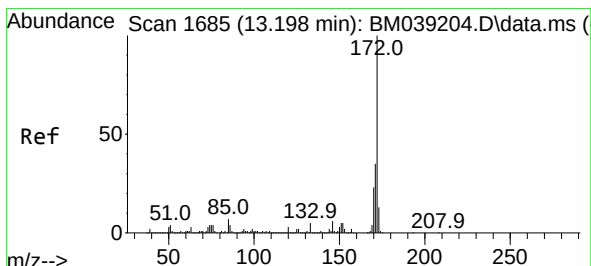
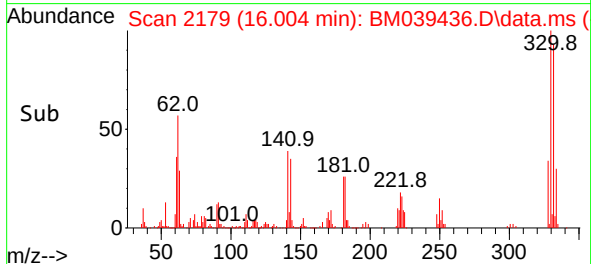
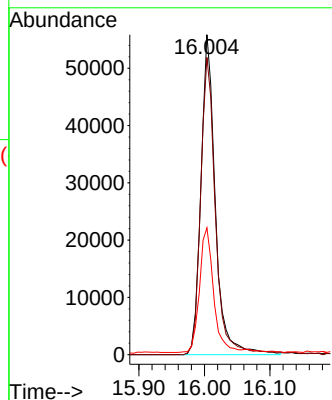
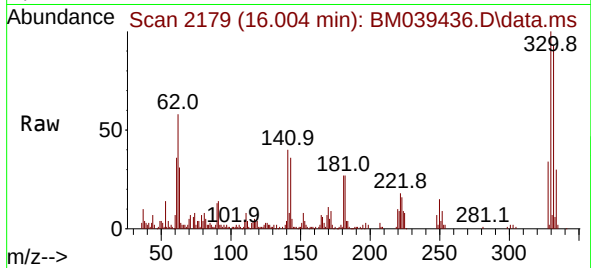




#42
2,4,6-Tribromophenol
Concen: 13.336 ng
RT: 16.004 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

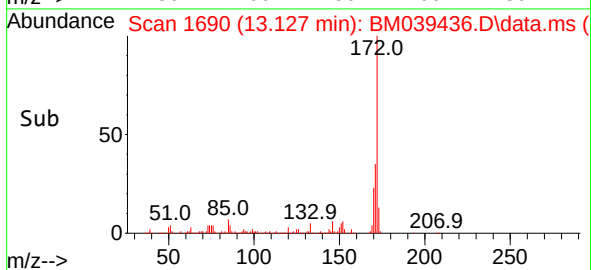
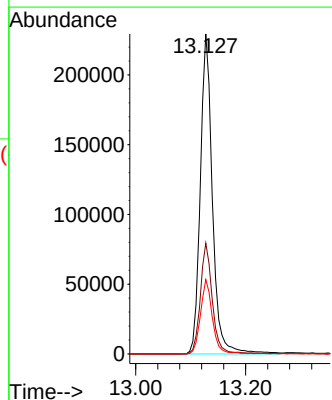
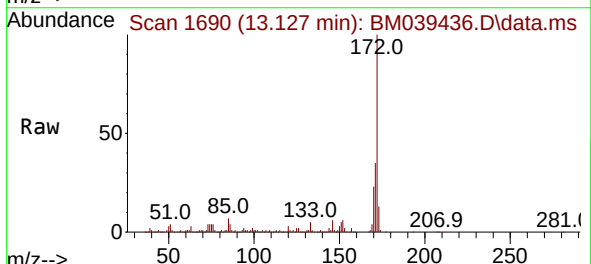
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

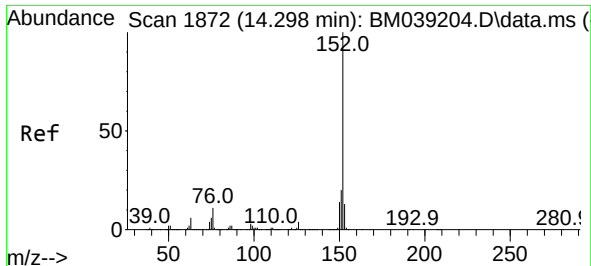
Tgt Ion:330 Resp: 85673
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 37.9 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 9.434 ng
RT: 13.127 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:172 Resp: 352358
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.2 18.7 28.1

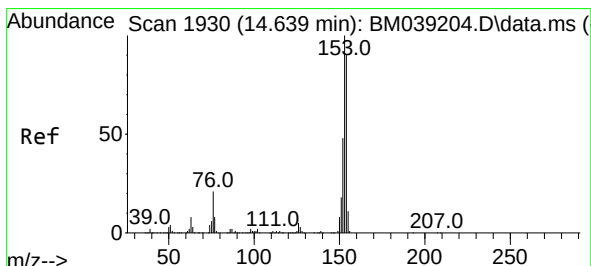
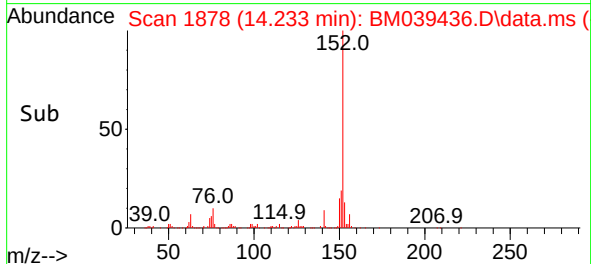
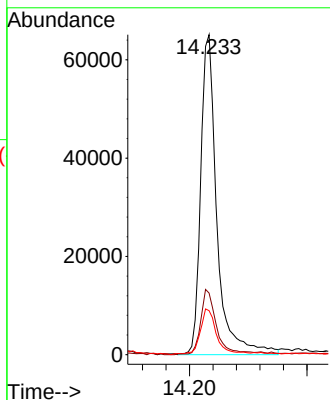
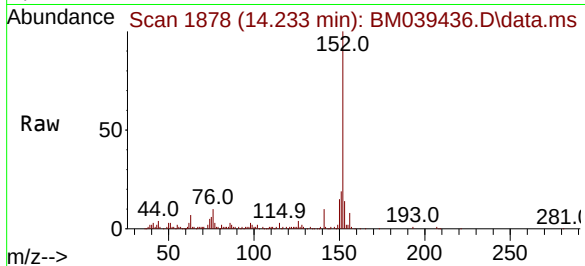




#49
Acenaphthylene
Concen: 2.511 ng
RT: 14.233 min Scan# 1878
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

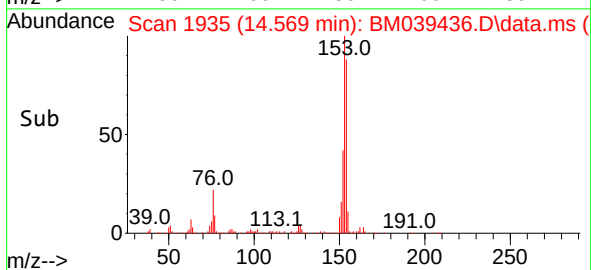
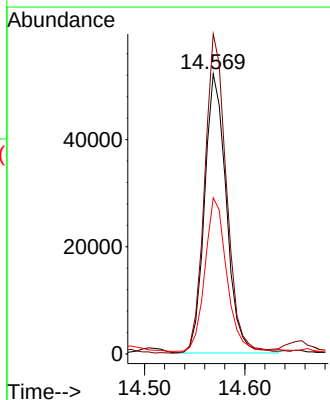
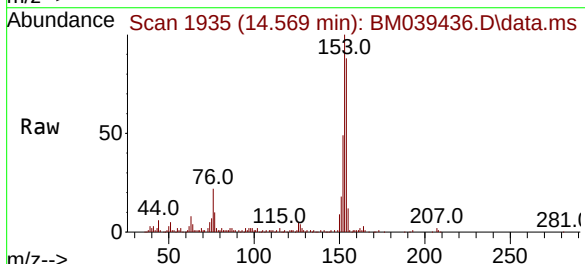
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

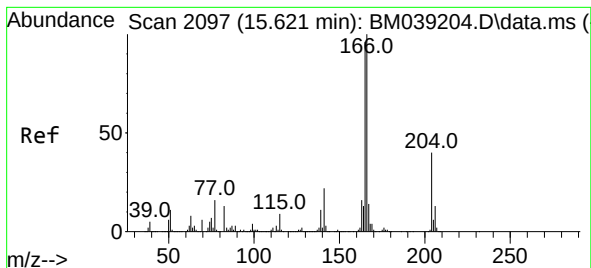
Tgt Ion:152 Resp: 124892
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.8 10.3 15.5



#52
Acenaphthene
Concen: 2.684 ng
RT: 14.569 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:154 Resp: 78827
Ion Ratio Lower Upper
154 100
153 114.2 89.1 133.7
152 55.8 42.6 64.0





#58

Fluorene

Concen: 4.503 ng

RT: 15.557 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

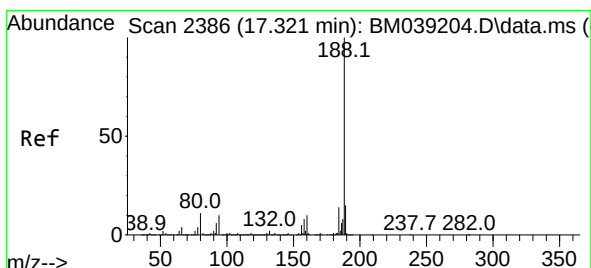
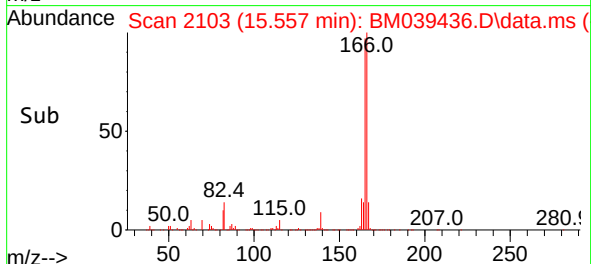
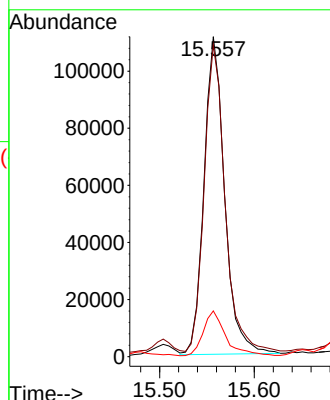
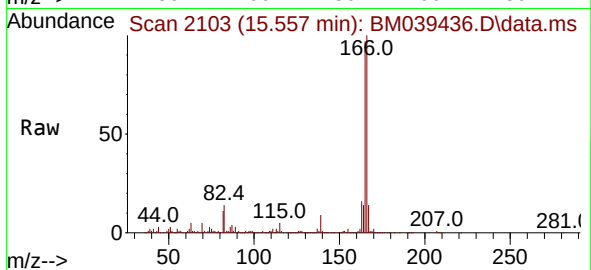
Tgt Ion:166 Resp: 168591

Ion Ratio Lower Upper

166 100

165 97.4 76.9 115.3

167 14.3 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 2392

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

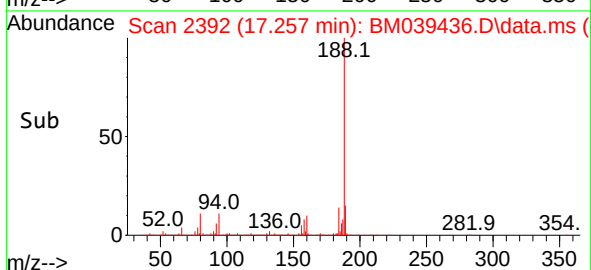
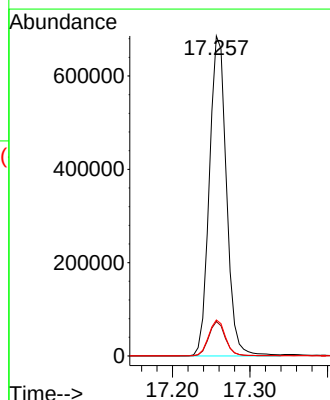
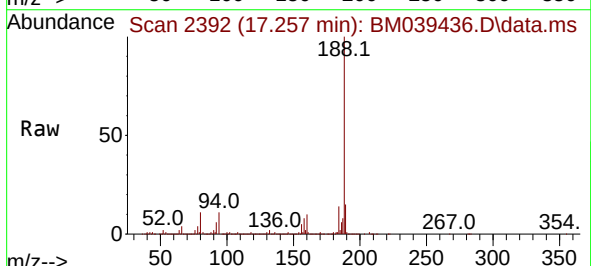
Tgt Ion:188 Resp: 1050268

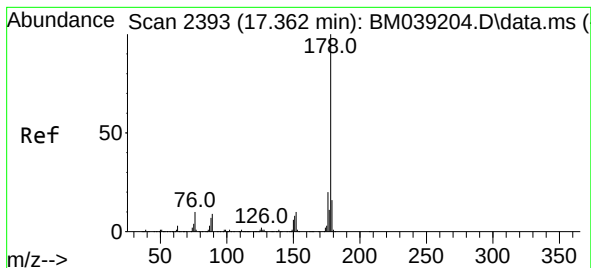
Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.4

80 11.3 8.9 13.3





#71

Phenanthrene

Concen: 20.874 ng

RT: 17.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

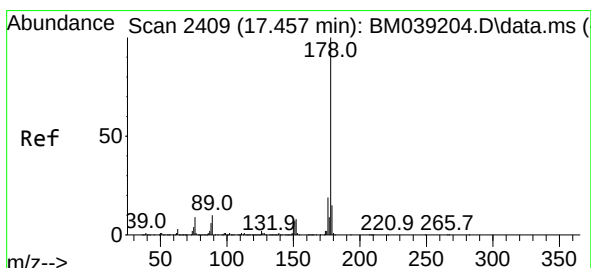
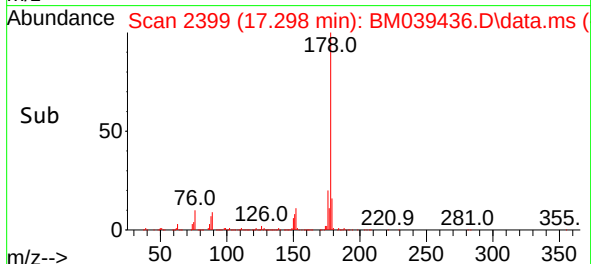
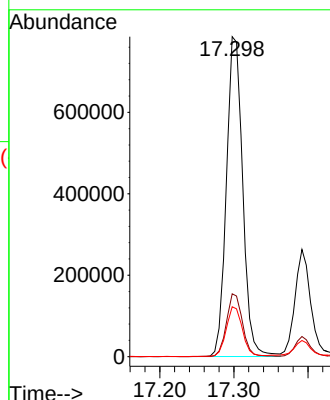
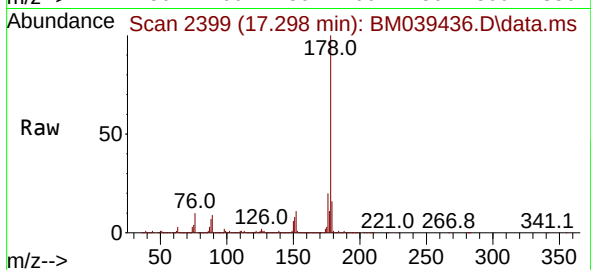
Tgt Ion:178 Resp: 1200683

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.6 12.4 18.6



#72

Anthracene

Concen: 6.300 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

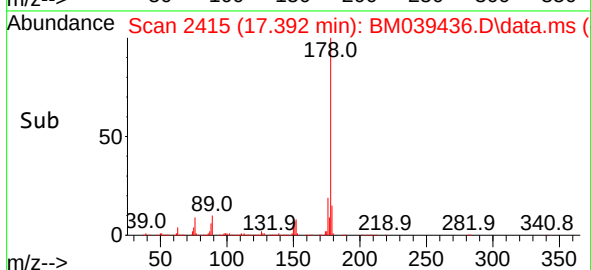
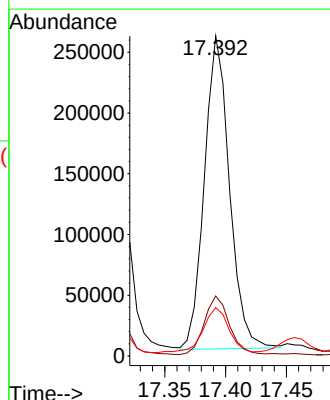
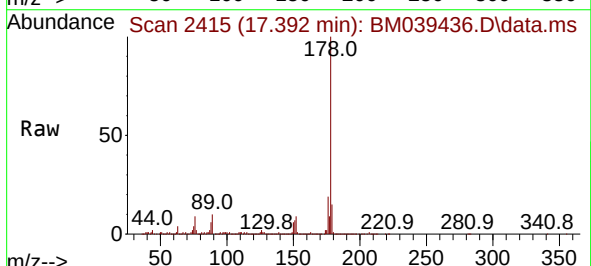
Tgt Ion:178 Resp: 369509

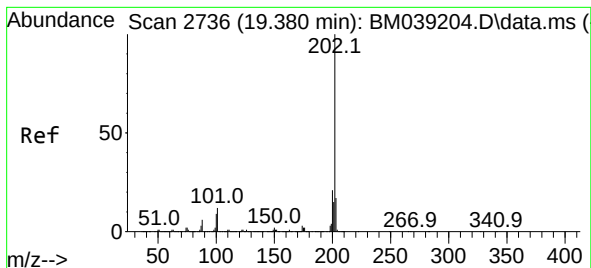
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.1 12.2 18.2





#75

Fluoranthene

Concen: 26.734 ng

RT: 19.321 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

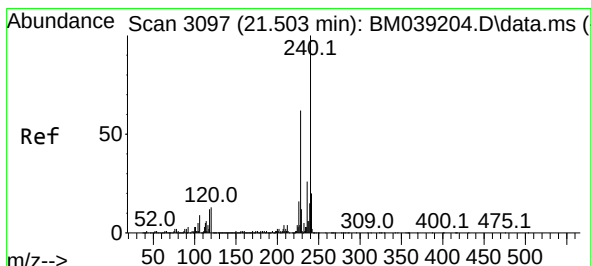
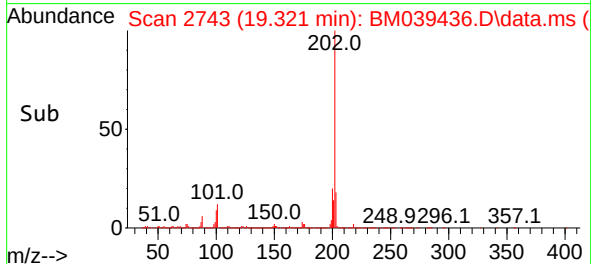
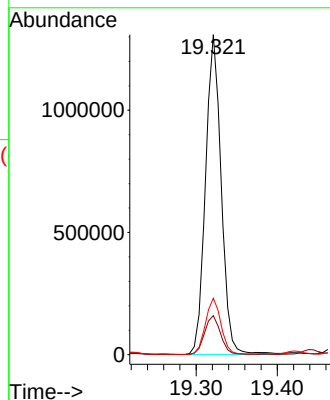
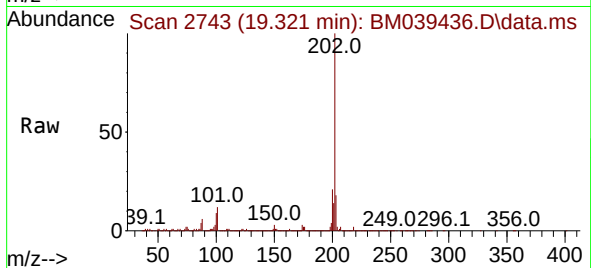
Tgt Ion:202 Resp: 1752969

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.5

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

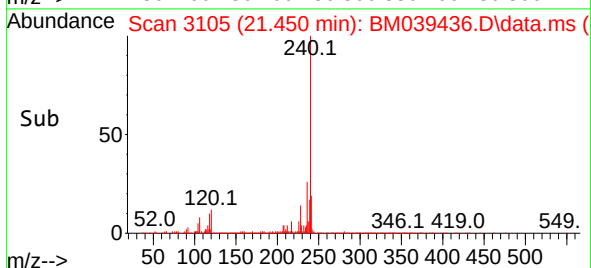
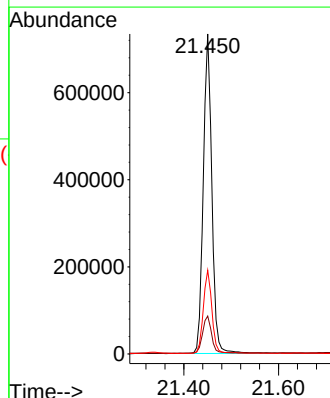
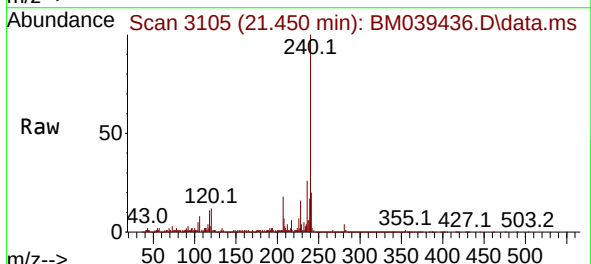
Tgt Ion:240 Resp: 923099

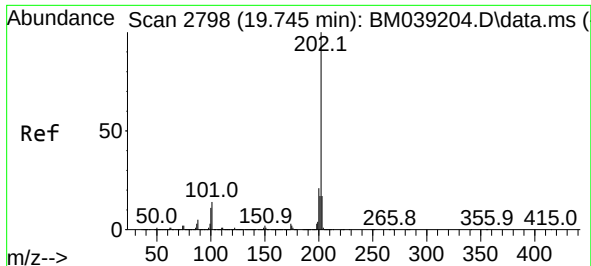
Ion Ratio Lower Upper

240 100

120 11.9 10.2 15.2

236 26.1 20.9 31.3

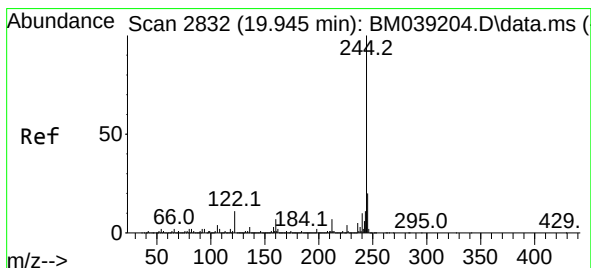
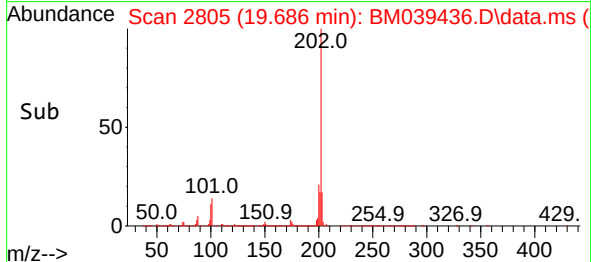
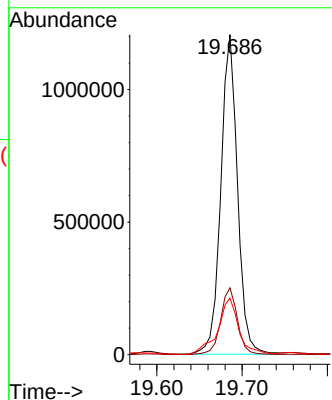
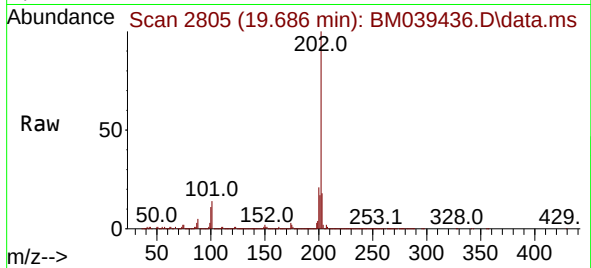




#78
Pyrene
Concen: 25.014 ng
RT: 19.686 min Scan# 2798
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

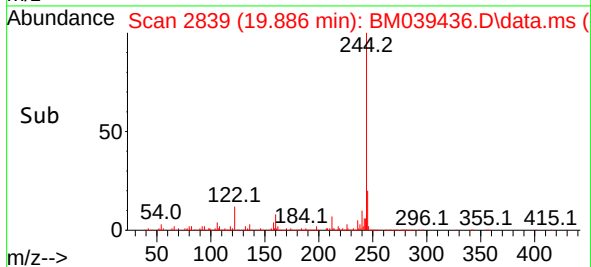
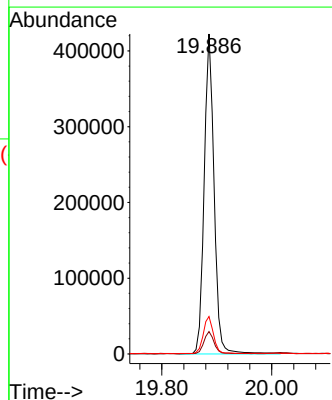
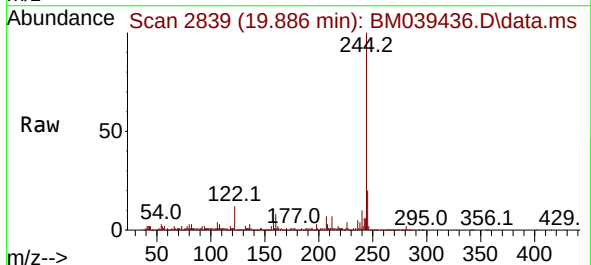
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

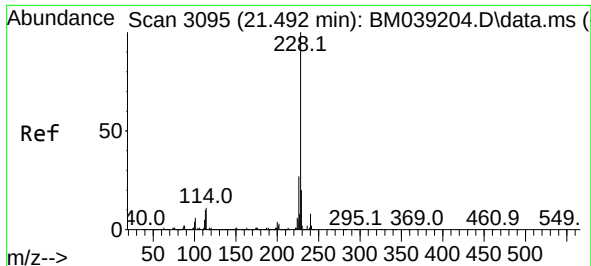
Tgt Ion:202 Resp: 1643764
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.6 13.9 20.9



#79
Terphenyl-d14
Concen: 10.596 ng
RT: 19.886 min Scan# 2839
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:244 Resp: 529411
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.7 9.1 13.7

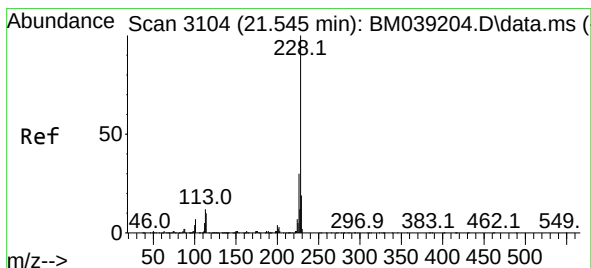
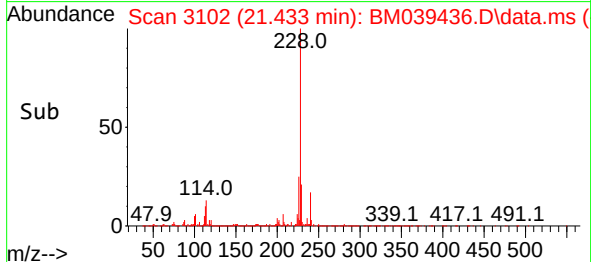
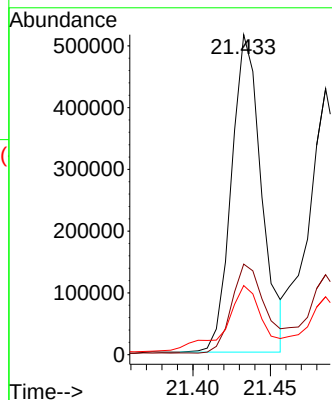
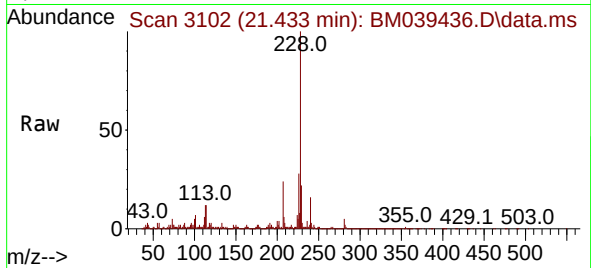




#81
Benzo(a)anthracene
Concen: 10.676 ng
RT: 21.433 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

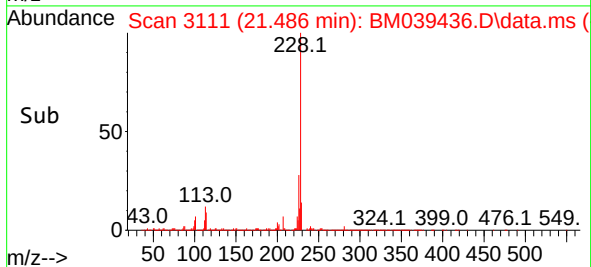
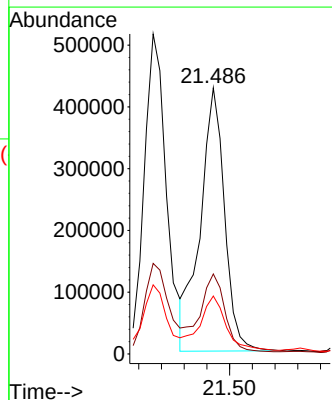
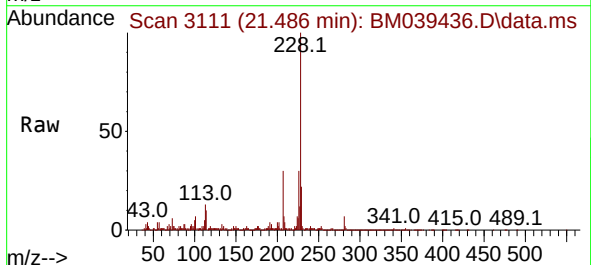
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

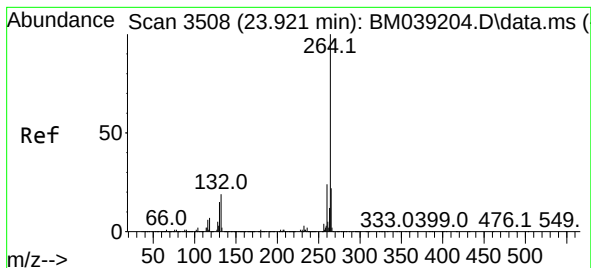
Tgt Ion:228 Resp: 695014
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 21.6 15.8 23.6



#83
Chrysene
Concen: 10.094 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:228 Resp: 634394
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 21.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.833 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

Instrument :

BNA_M

ClientSampleId :

PL-02-041223DL

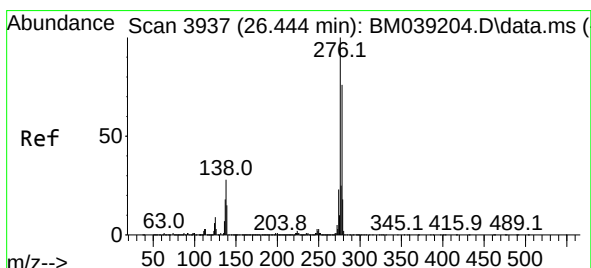
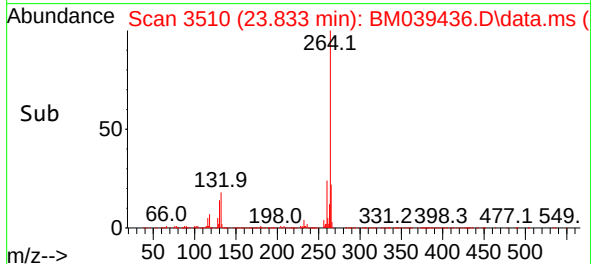
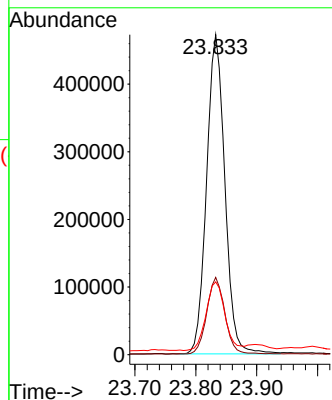
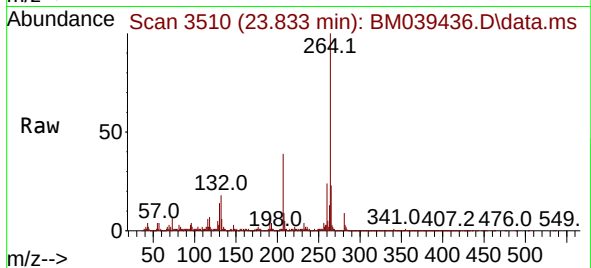
Tgt Ion:264 Resp: 985029

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.7 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.617 ng

RT: 26.303 min Scan# 3930

Delta R.T. -0.012 min

Lab File: BM039436.D

Acq: 14 Apr 2023 16:34

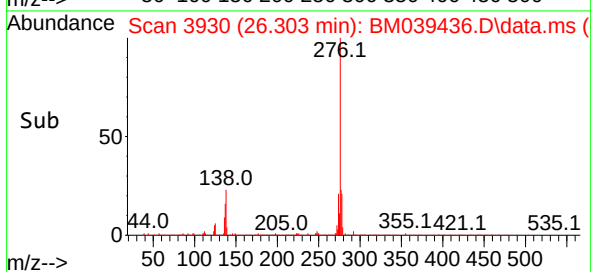
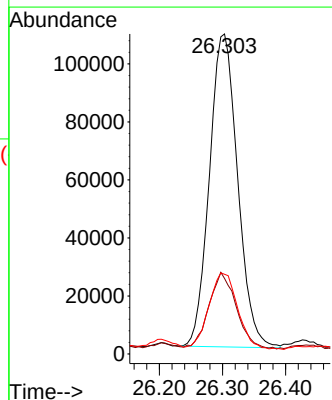
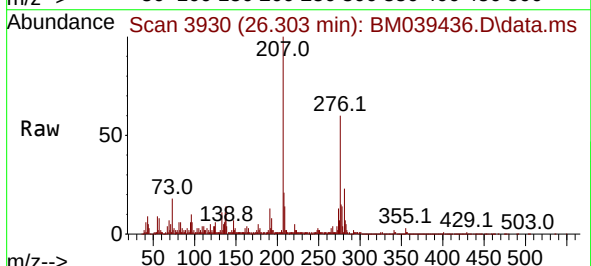
Tgt Ion:276 Resp: 335063

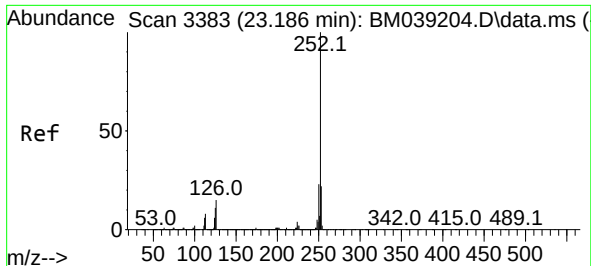
Ion Ratio Lower Upper

276 100

138 24.0 22.2 33.2

277 25.3 20.2 30.2

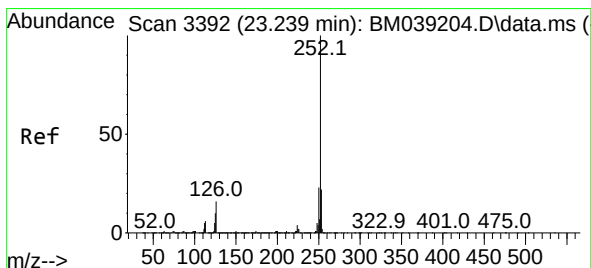
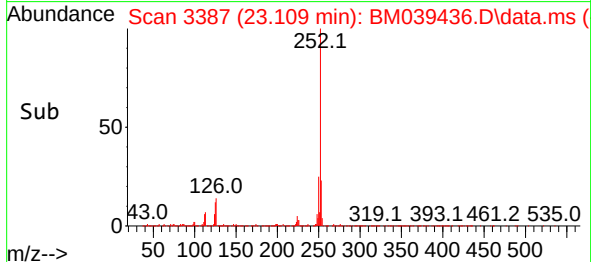
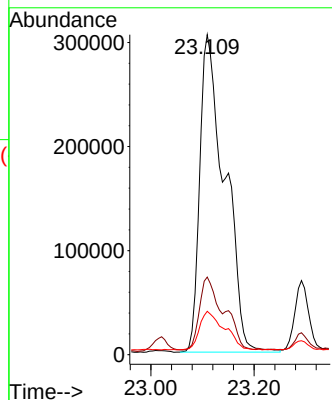
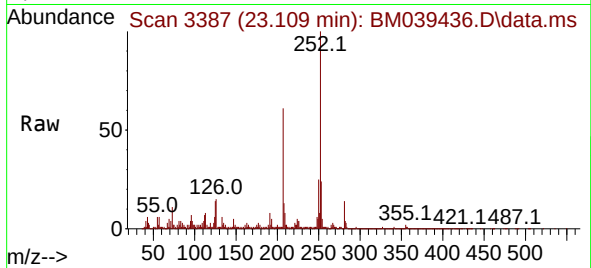




#88
Benzo(b)fluoranthene
Concen: 17.027 ng
RT: 23.109 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

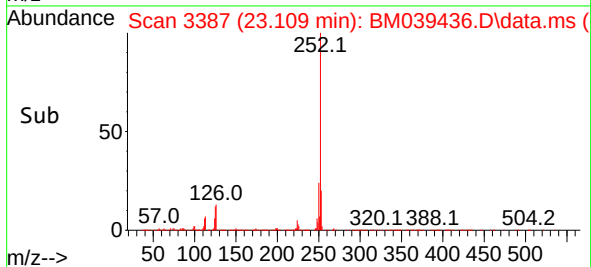
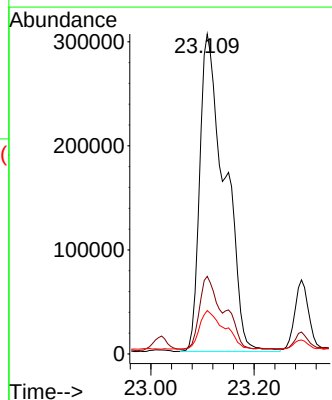
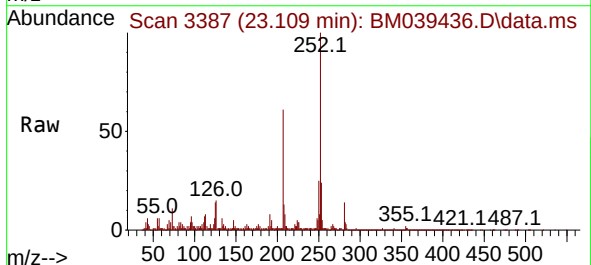
Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

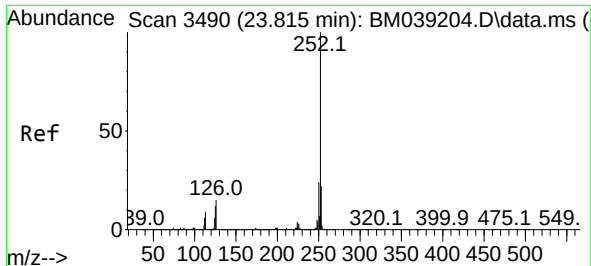
Tgt Ion:252 Resp: 1026238
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 13.6 9.0 13.6



#89
Benzo(k)fluoranthene
Concen: 16.716 ng
RT: 23.109 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:252 Resp: 1026238
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 13.6 8.5 12.7#

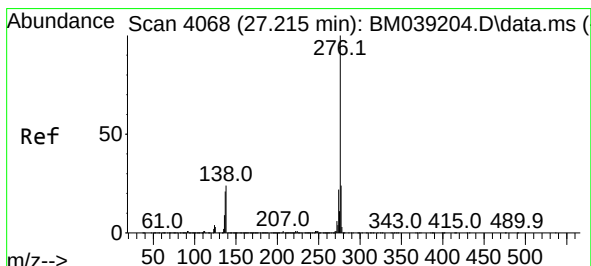
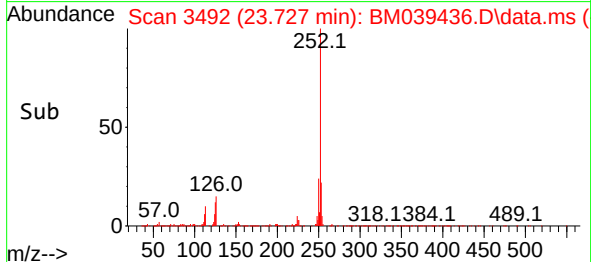
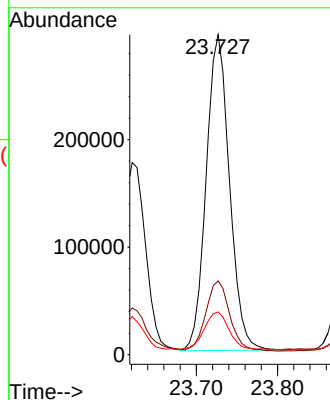
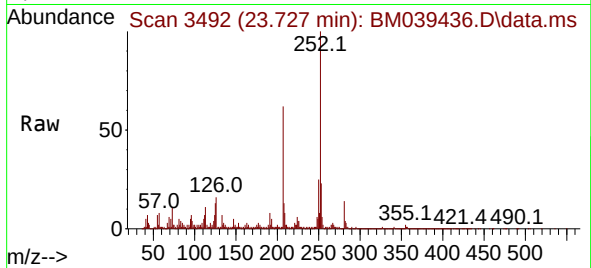




#90
Benzo(a)pyrene
Concen: 9.883 ng
RT: 23.727 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Instrument :
BNA_M
ClientSampleId :
PL-02-041223DL

Tgt Ion:252 Resp: 585159
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.4 9.8 14.6



#92
Benzo(g,h,i)perylene
Concen: 5.366 ng
RT: 27.068 min Scan# 4060
Delta R.T. -0.006 min
Lab File: BM039436.D
Acq: 14 Apr 2023 16:34

Tgt Ion:276 Resp: 321609
Ion Ratio Lower Upper
276 100
277 25.5 19.1 28.7
138 24.6 19.5 29.3

