

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037456.D
 Acq On : 10 Nov 2022 17:58
 Operator : CG/JU
 Sample : N5378-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-20221028-5.5-6.5

Quant Time: Nov 11 00:18:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 09 02:08:14 2022
 Response via : Initial Calibration

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

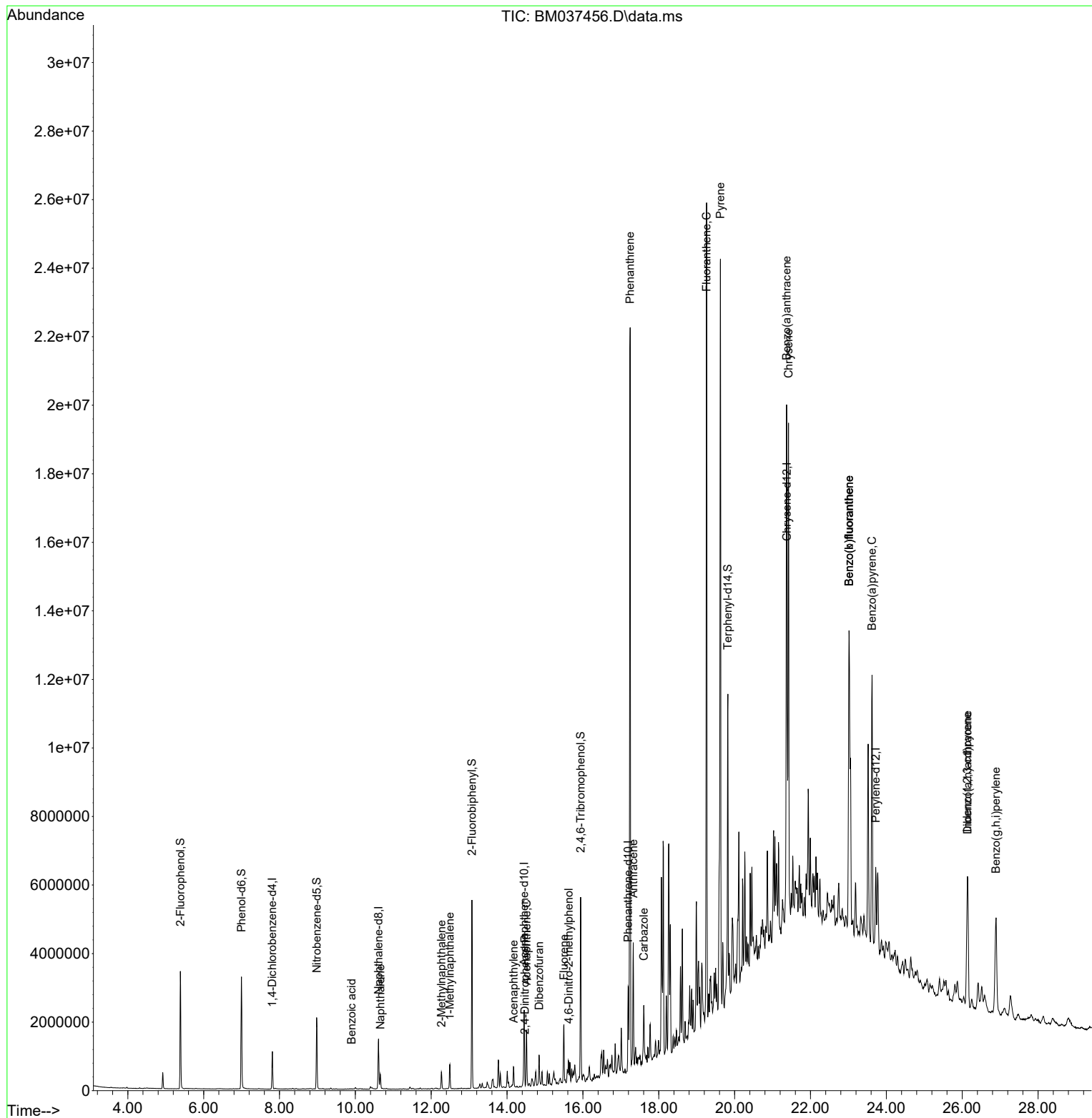
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	295757	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1203413	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	753477	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1524331	20.000	ng	-0.01
76) Chrysene-d12	21.380	240	1589239	20.000	ng	0.00
86) Perylene-d12	23.721	264	1608661	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1442203	84.245	ng	0.00
7) Phenol-d6	6.998	99	1895105	81.565	ng	0.00
23) Nitrobenzene-d5	8.981	82	1174922	49.258	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	916086	103.169	ng	-0.02
45) 2-Fluorobiphenyl	13.075	172	2686239	47.370	ng	-0.02
79) Terphenyl-d14	19.821	244	3915162	44.178	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.657	128	324369	4.758	ng	99
32) Benzoic acid	9.898	122	3454	7.179	ng	# 63
37) 2-Methylnaphthalene	12.269	142	238817	5.170	ng	99
38) 1-Methylnaphthalene	12.492	142	329284	7.295	ng	99
49) Acenaphthylene	14.175	152	242964	3.235	ng	# 94
52) Acenaphthene	14.510	154	567196	12.214	ng	100
54) 2,4-Dinitrophenol	14.469	184	60	6.452	ng	# 1
55) Dibenzofuran	14.845	168	346179	4.840	ng	# 92
58) Fluorene	15.498	166	728050	12.195	ng	99
65) 4,6-Dinitro-2-methylph...	15.627	198	527	5.058	ng	# 1
71) Phenanthrene	17.239	178	12699459	134.285	ng	95
72) Anthracene	17.327	178	2081426	23.248	ng	99
73) Carbazole	17.604	167	946548	11.526	ng	99
75) Fluoranthene	19.257	202	12973449	129.776	ng	93
78) Pyrene	19.621	202	13591911	111.220	ng	# 90
81) Benzo(a)anthracene	21.368	228	7814768	69.070	ng	96
83) Chrysene	21.421	228	7459152	68.428	ng	95
87) Indeno(1,2,3-cd)pyrene	26.138	276	3665189	27.827	ng	# 94
88) Benzo(b)fluoranthene	23.015	252	10620222	95.094	ng	98
89) Benzo(k)fluoranthene	23.015	252	10622512	93.247	ng	98
90) Benzo(a)pyrene	23.621	252	5947442	65.359	ng	97
91) Dibenzo(a,h)anthracene	26.144	278	1089504	9.961	ng	93
92) Benzo(g,h,i)perylene	26.891	276	3635165	34.148	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Time: Nov 11 00:18:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 02:08:14 2022
Response via : Initial Calibration

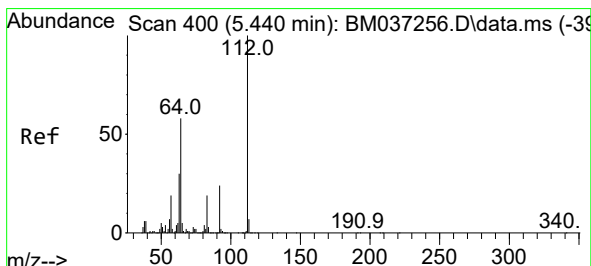
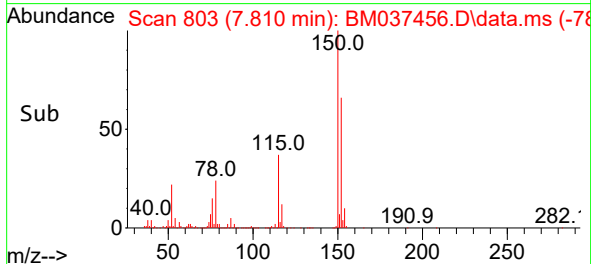
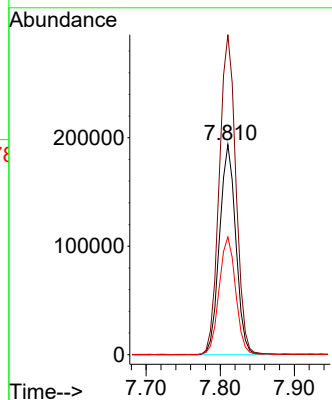
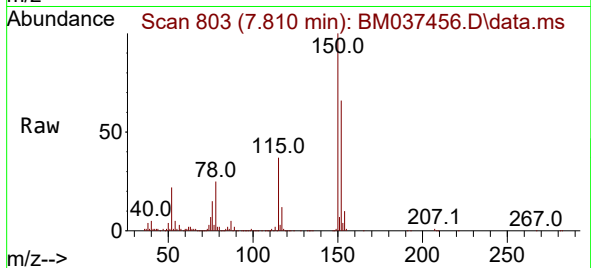




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

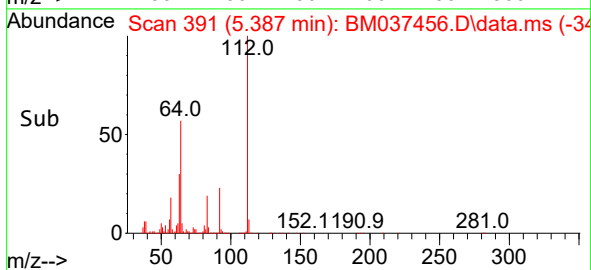
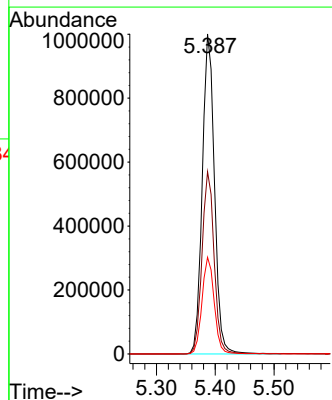
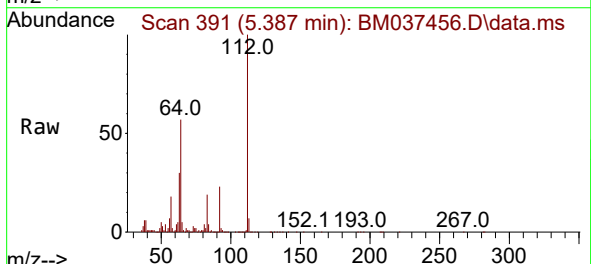
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

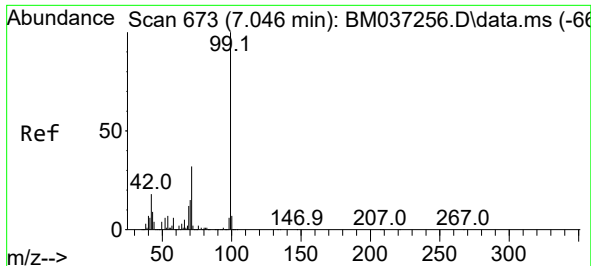
Tgt Ion:152 Resp: 295757
Ion Ratio Lower Upper
152 100
150 152.3 124.8 187.2
115 56.1 47.0 70.4



#5
2-Fluorophenol
Concen: 84.245 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:112 Resp: 1442203
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 30.2 24.4 36.6

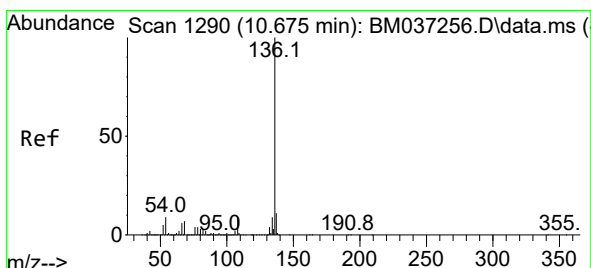
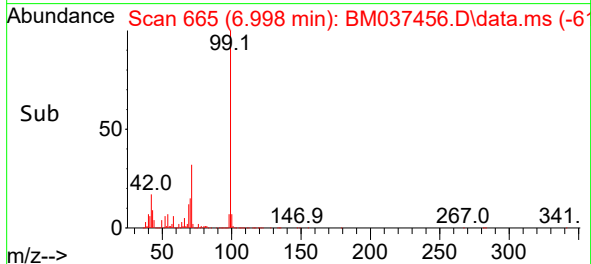
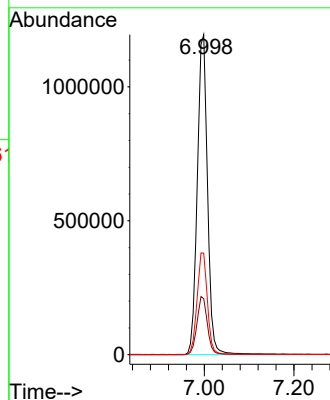
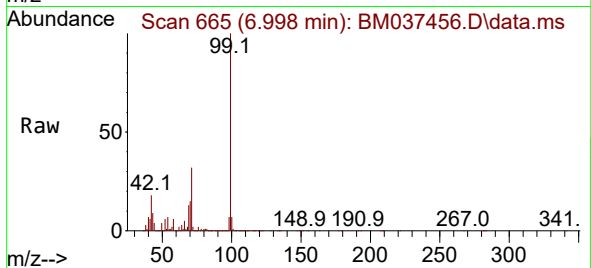




#7
Phenol-d6
Concen: 81.565 ng
RT: 6.998 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

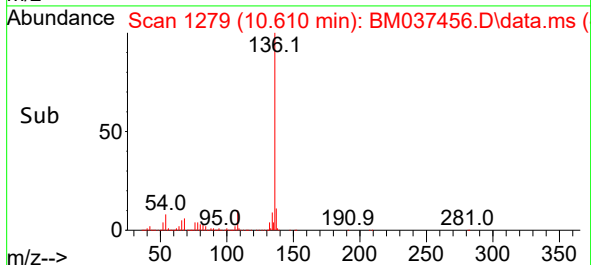
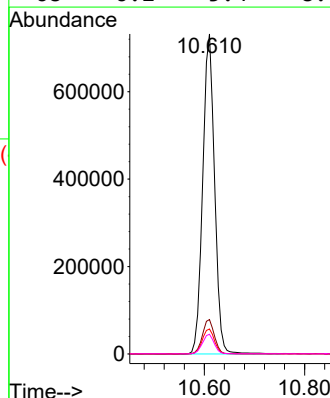
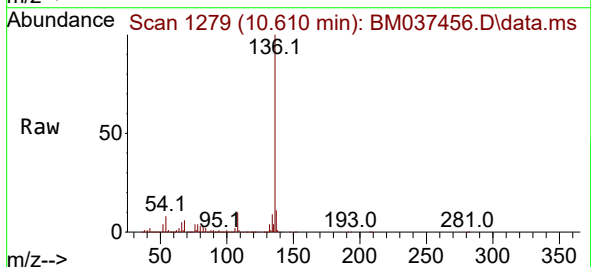
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

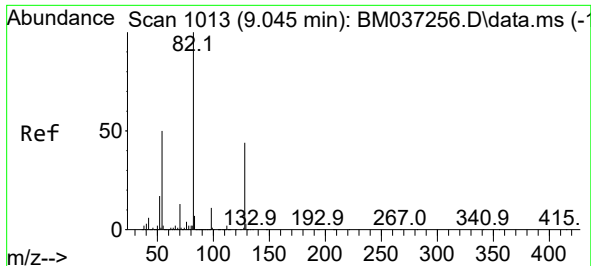
Tgt Ion: 99 Resp: 1895105
Ion Ratio Lower Upper
99 100
42 17.5 14.8 22.2
71 31.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion: 136 Resp: 1203413
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.8 7.0 10.4
68 6.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 49.258 ng

RT: 8.981 min Scan# 1002

Delta R.T. -0.018 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5

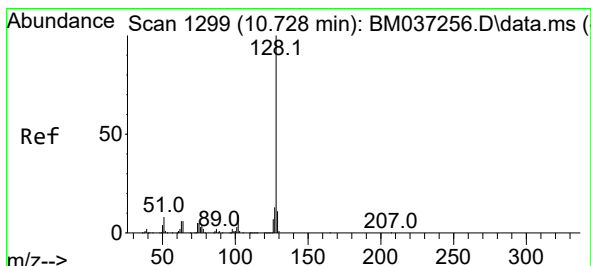
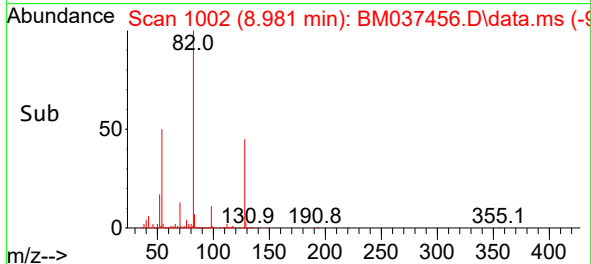
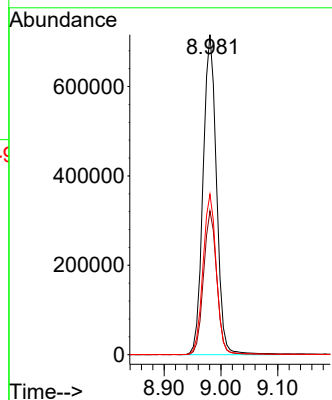
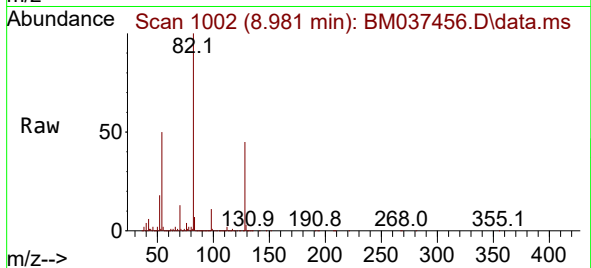
Tgt Ion: 82 Resp: 1174922

Ion Ratio Lower Upper

82 100

128 44.9 35.2 52.8

54 50.1 40.4 60.6



#31

Naphthalene

Concen: 4.758 ng

RT: 10.657 min Scan# 1287

Delta R.T. -0.018 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

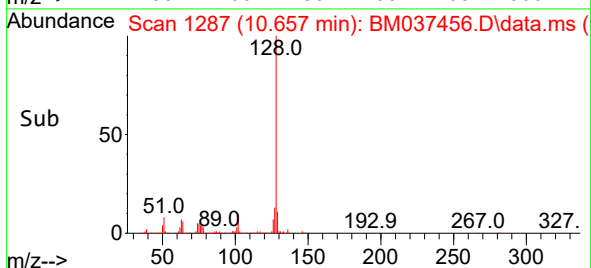
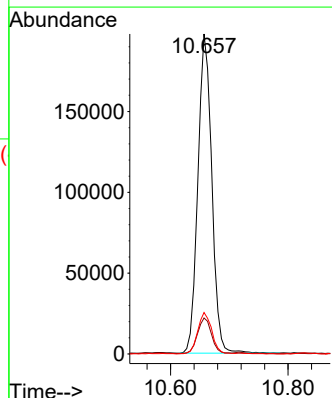
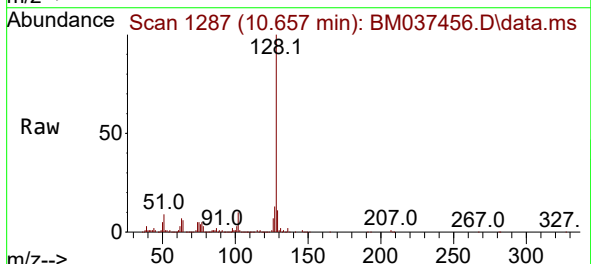
Tgt Ion: 128 Resp: 324369

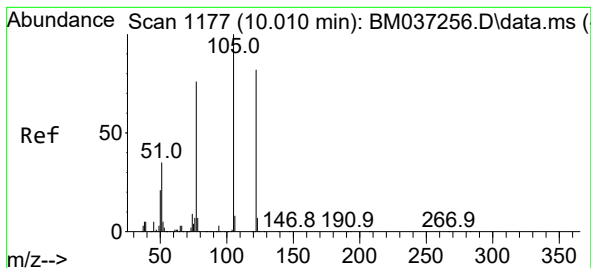
Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 12.9 10.2 15.2





#32

Benzoic acid

Concen: 7.179 ng

RT: 9.898 min Scan# 1158

Delta R.T. -0.076 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5

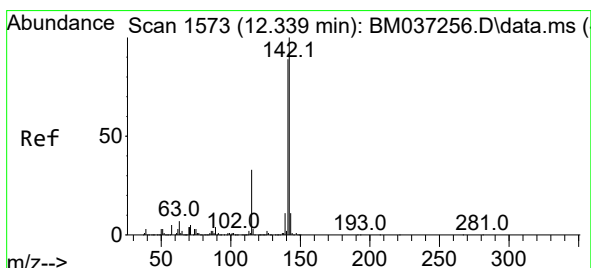
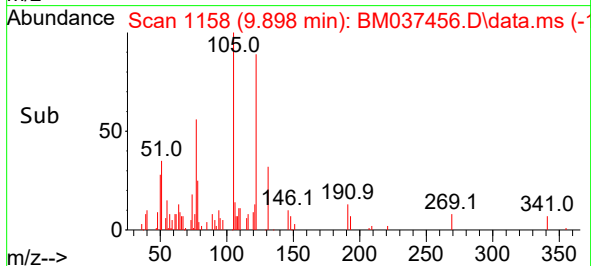
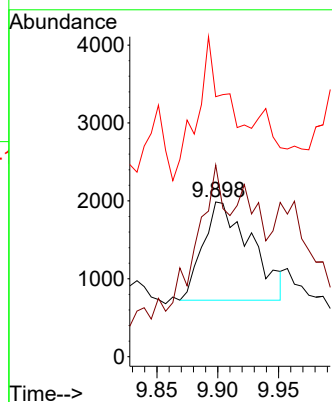
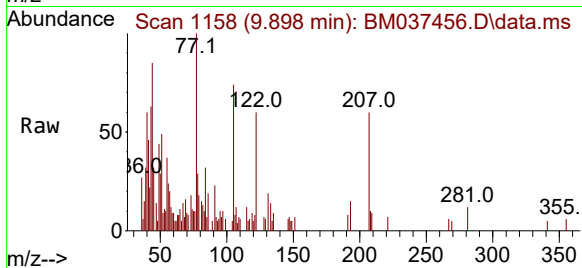
Tgt Ion:122 Resp: 3454

Ion Ratio Lower Upper

122 100

105 123.8 100.1 140.1

77 168.0 71.7 111.7#



#37

2-Methylnaphthalene

Concen: 5.170 ng

RT: 12.269 min Scan# 1561

Delta R.T. -0.018 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

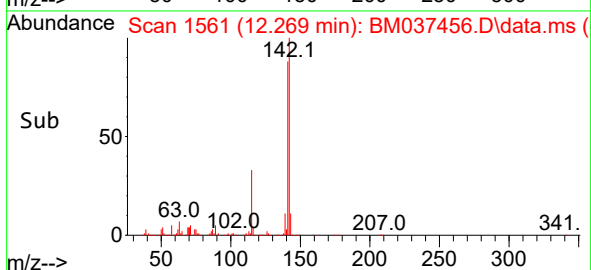
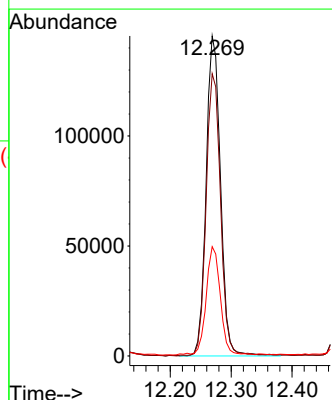
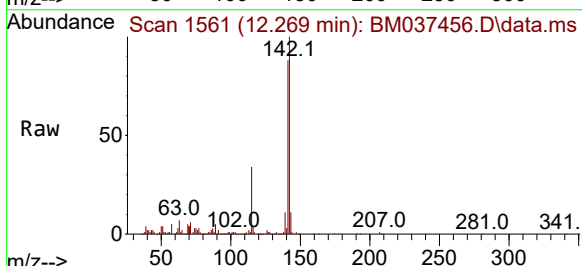
Tgt Ion:142 Resp: 238817

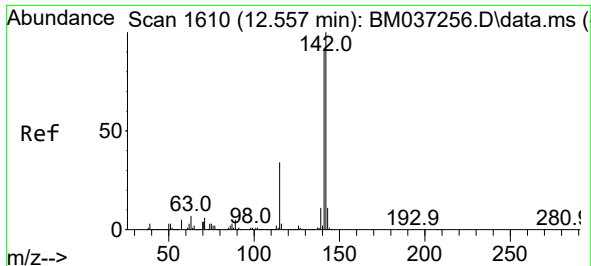
Ion Ratio Lower Upper

142 100

141 88.2 71.3 106.9

115 34.2 26.0 39.0

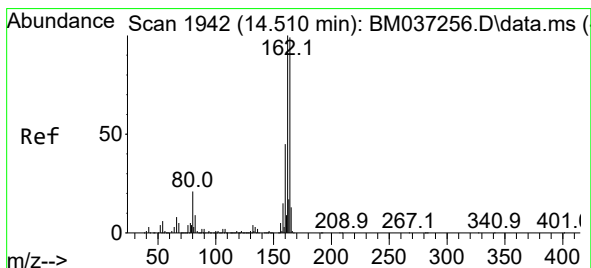
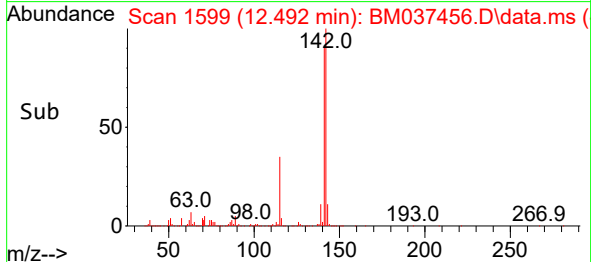
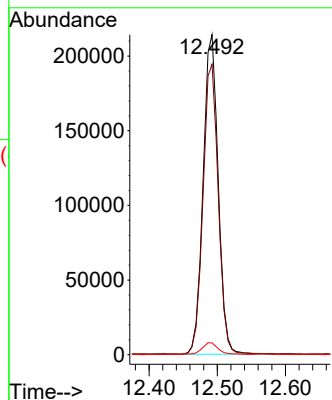
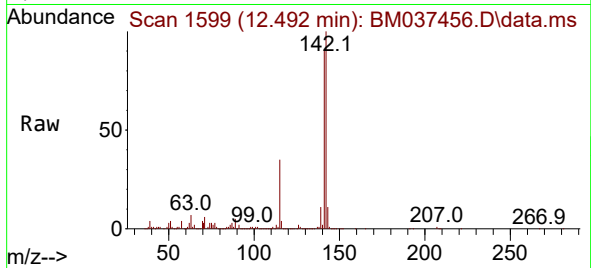




#38
1-Methylnaphthalene
Concen: 7.295 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

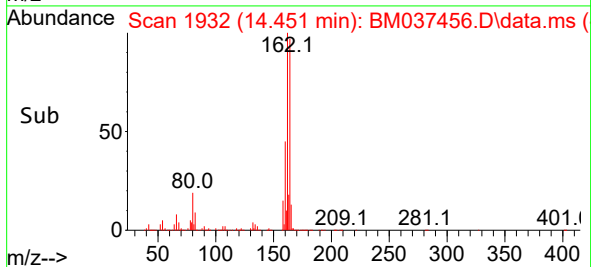
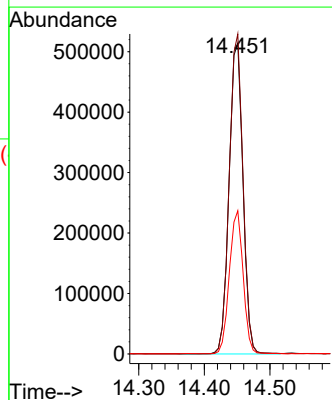
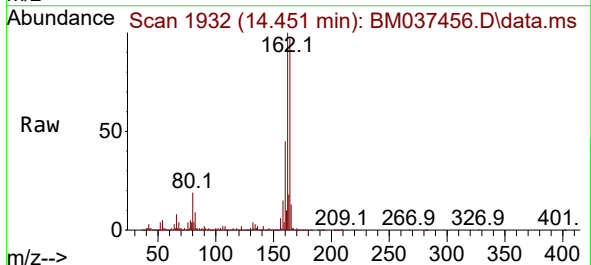
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

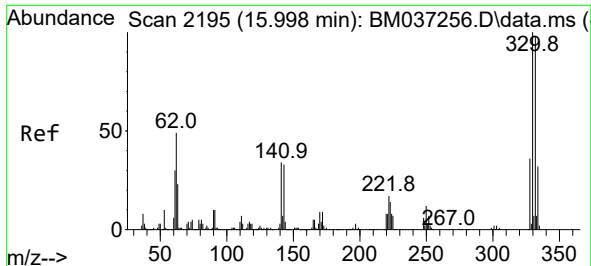
Tgt Ion:142 Resp: 329284
Ion Ratio Lower Upper
142 100
141 90.7 73.0 109.6
116 3.7 2.8 4.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:164 Resp: 753477
Ion Ratio Lower Upper
164 100
162 103.0 80.6 120.8
160 46.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 103.169 ng

RT: 15.939 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5

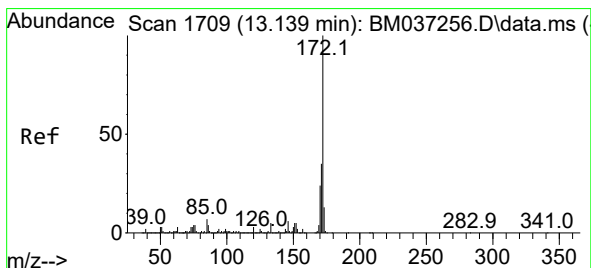
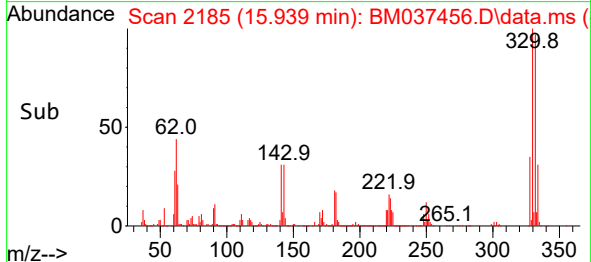
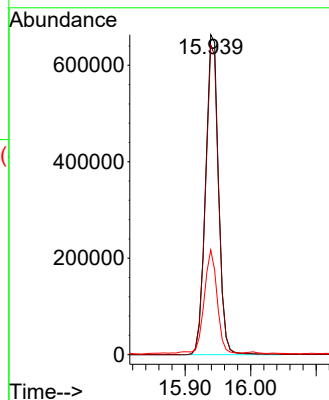
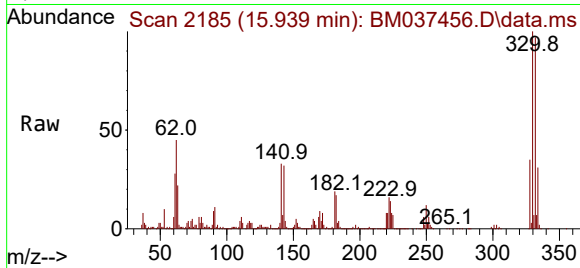
Tgt Ion:330 Resp: 916086

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 31.7 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 47.370 ng

RT: 13.075 min Scan# 1698

Delta R.T. -0.018 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

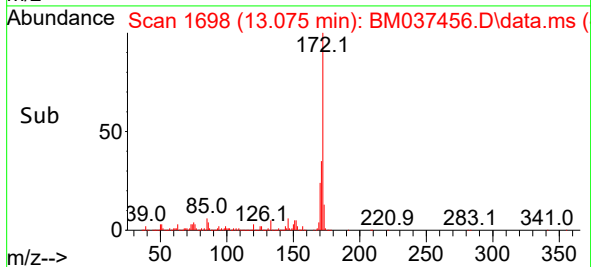
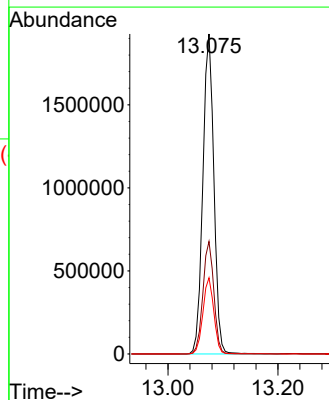
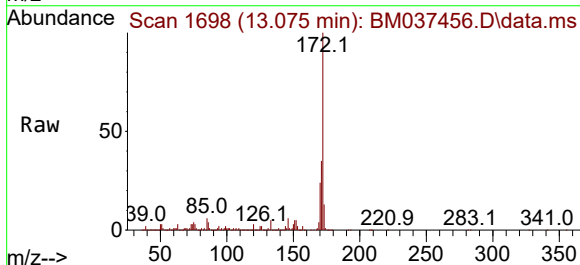
Tgt Ion:172 Resp: 2686239

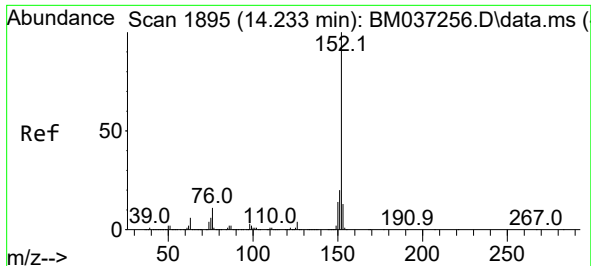
Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.8 19.0 28.4

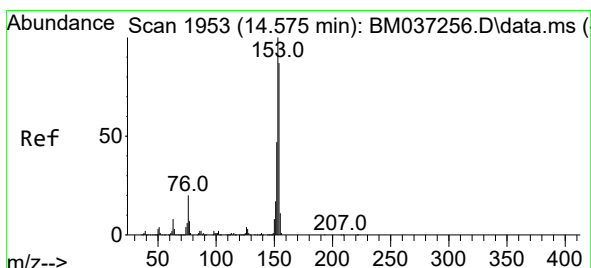
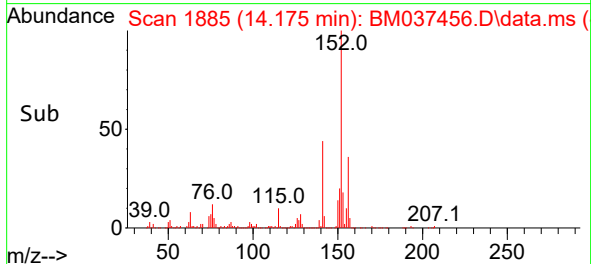
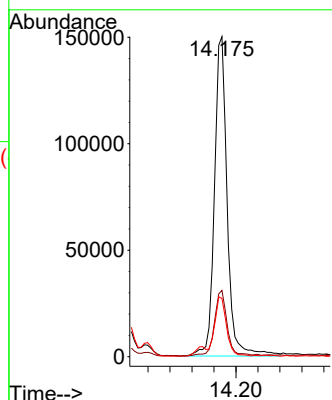
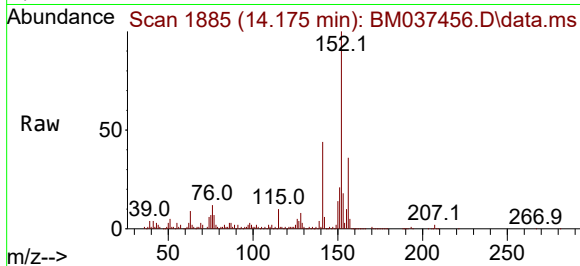




#49
Acenaphthylene
Concen: 3.235 ng
RT: 14.175 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

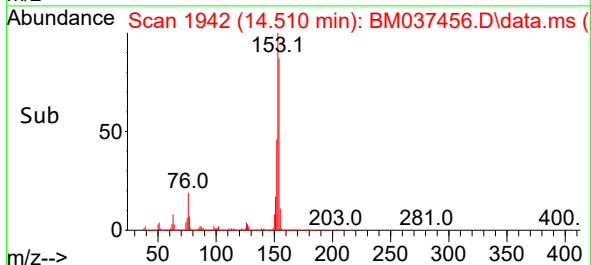
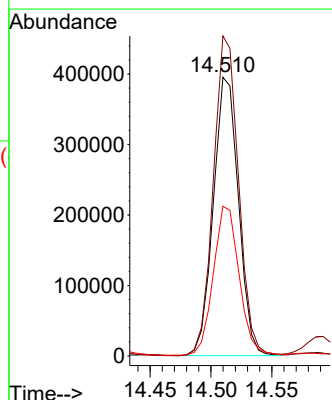
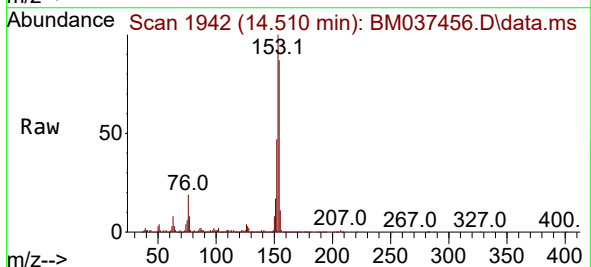
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

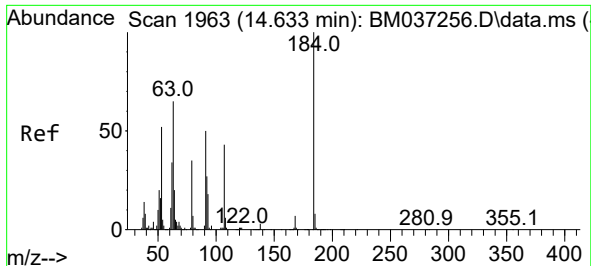
Tgt Ion:152 Resp: 242964
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 18.2 10.6 15.8#



#52
Acenaphthene
Concen: 12.214 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:154 Resp: 567196
Ion Ratio Lower Upper
154 100
153 114.8 91.5 137.3
152 53.8 43.0 64.6

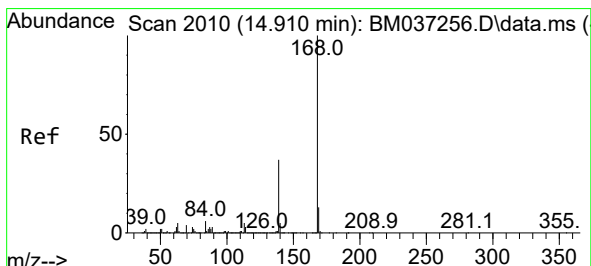
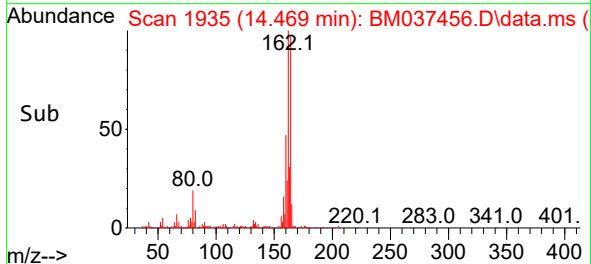
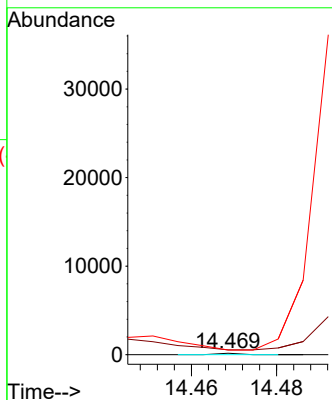
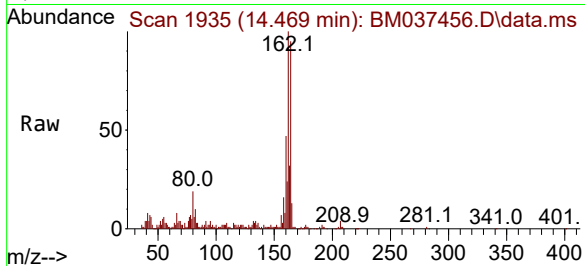




#54
2,4-Dinitrophenol
Concen: 6.452 ng
RT: 14.469 min Scan# 1963
Delta R.T. -0.123 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

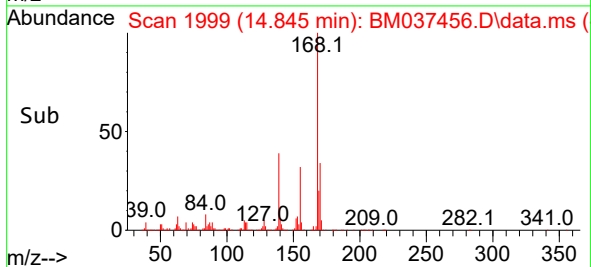
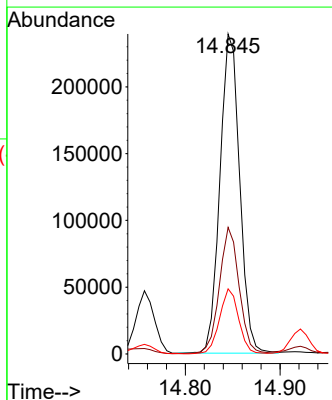
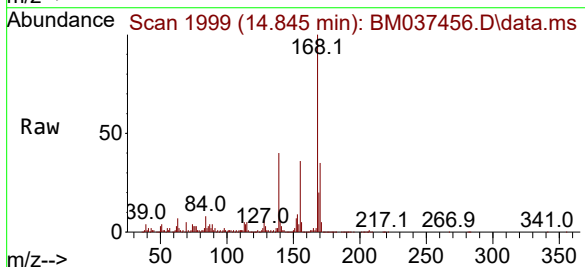
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

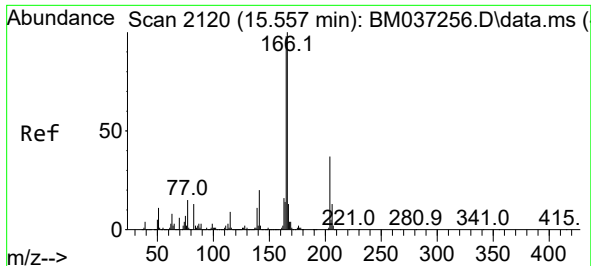
Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 320.7 57.7 86.5#
154 314.8 48.3 72.5#



#55
Dibenzofuran
Concen: 4.840 ng
RT: 14.845 min Scan# 1999
Delta R.T. -0.018 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:168 Resp: 346179
Ion Ratio Lower Upper
168 100
139 39.5 29.3 43.9
169 20.4 10.6 16.0#

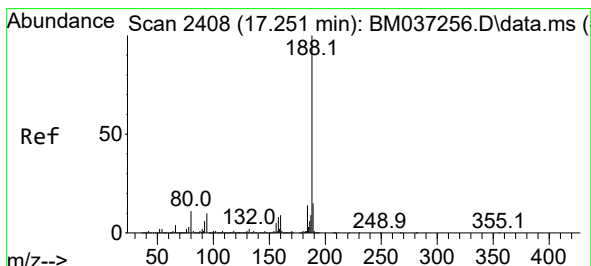
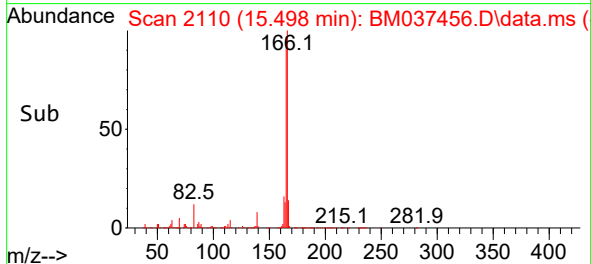
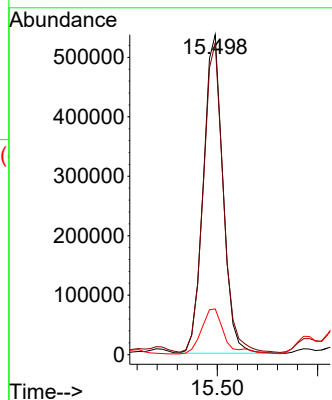
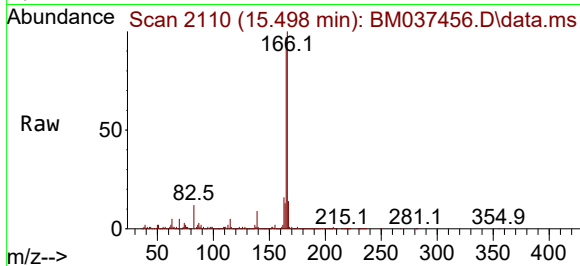




#58
 Fluorene
 Concen: 12.195 ng
 RT: 15.498 min Scan# 2110
 Delta R.T. -0.012 min
 Lab File: BM037456.D
 Acq: 10 Nov 2022 17:58

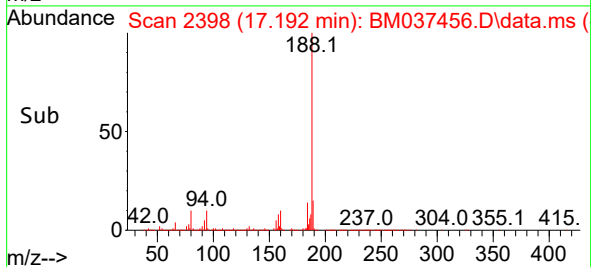
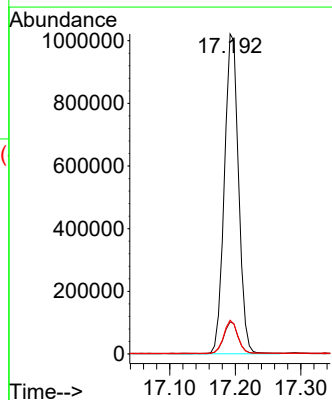
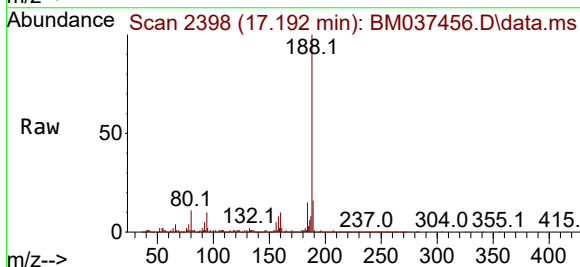
Instrument :
 BNA_M
 ClientSampleId :
 SB-15-20221028-5.5-6.5

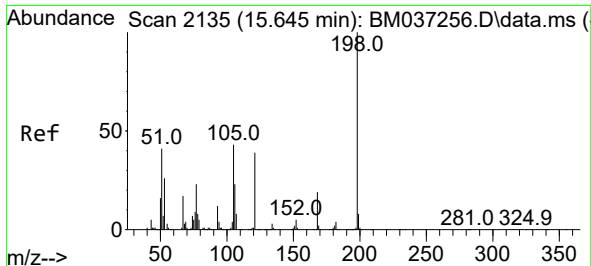
Tgt Ion:166 Resp: 728050
 Ion Ratio Lower Upper
 166 100
 165 97.4 78.2 117.4
 167 14.3 10.6 15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.192 min Scan# 2398
 Delta R.T. -0.012 min
 Lab File: BM037456.D
 Acq: 10 Nov 2022 17:58

Tgt Ion:188 Resp: 1524331
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.9 11.9
 80 10.5 8.5 12.7

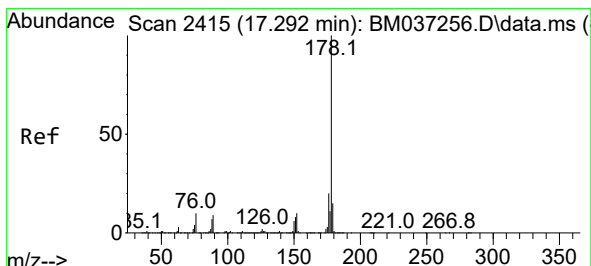
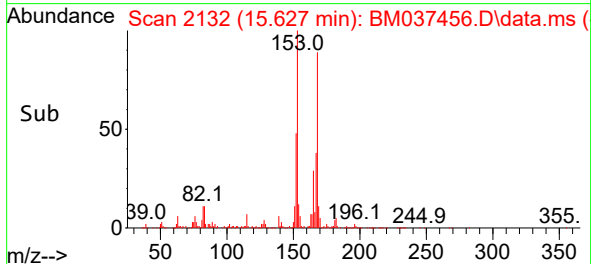
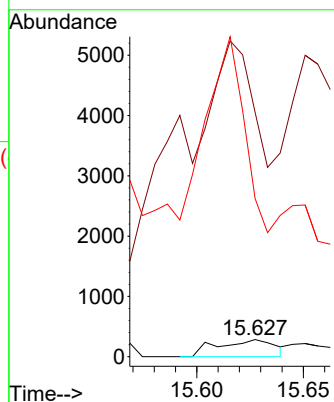
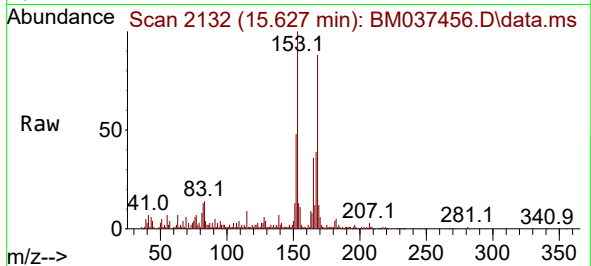




#65
4,6-Dinitro-2-methylphenol
Concen: 5.058 ng
RT: 15.627 min Scan# 2132
Delta R.T. 0.024 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

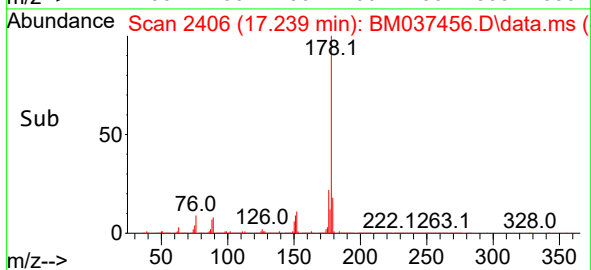
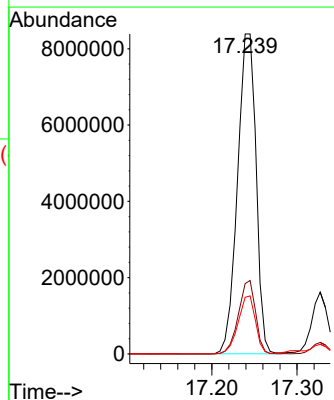
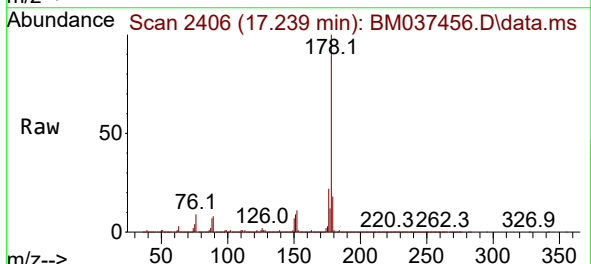
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

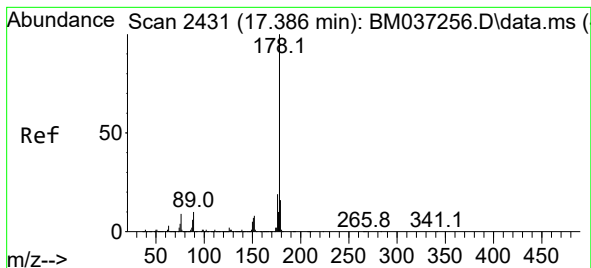
Tgt Ion:198 Resp: 527
Ion Ratio Lower Upper
198 100
51 1433.2 26.8 66.8#
105 927.9 24.1 64.1#



#71
Phenanthrene
Concen: 134.285 ng
RT: 17.239 min Scan# 2406
Delta R.T. -0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:178 Resp:12699459
Ion Ratio Lower Upper
178 100
176 22.0 15.6 23.4
179 17.7 12.4 18.6





#72

Anthracene

Concen: 23.248 ng

RT: 17.327 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5

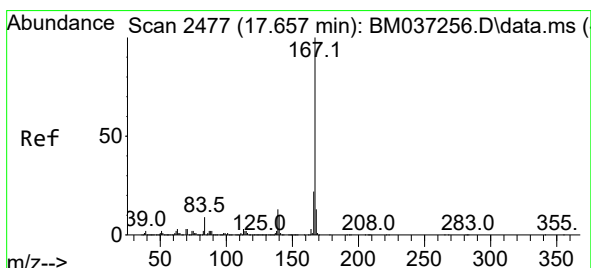
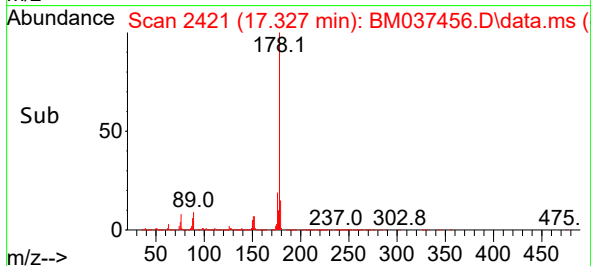
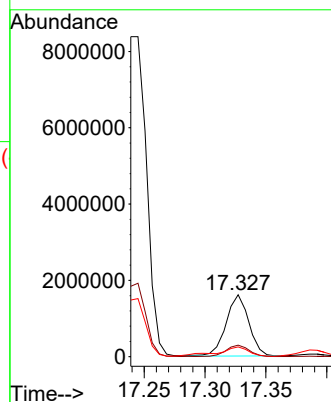
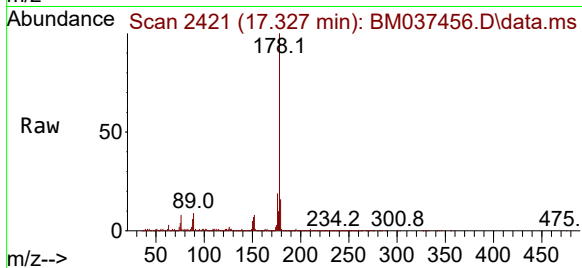
Tgt Ion:178 Resp: 2081426

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.7 12.6 19.0



#73

Carbazole

Concen: 11.526 ng

RT: 17.604 min Scan# 2468

Delta R.T. -0.012 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

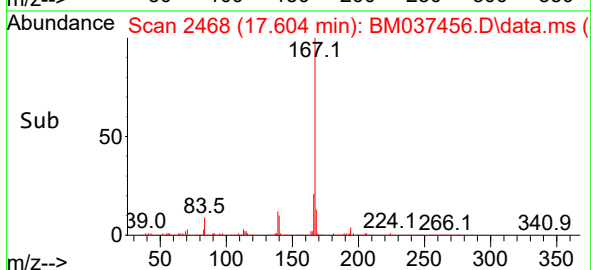
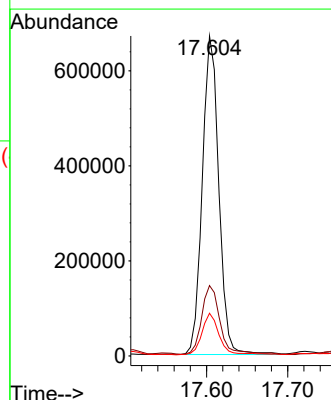
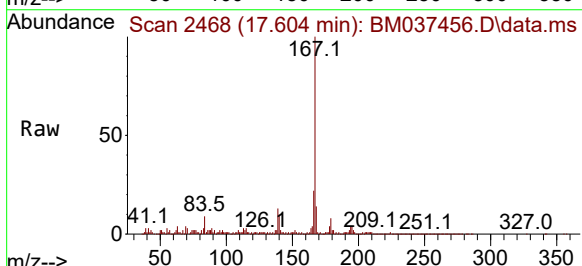
Tgt Ion:167 Resp: 946548

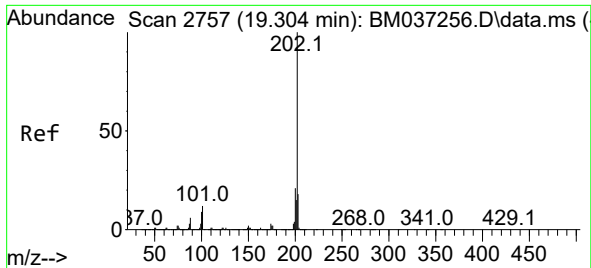
Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.2

139 13.4 10.4 15.6

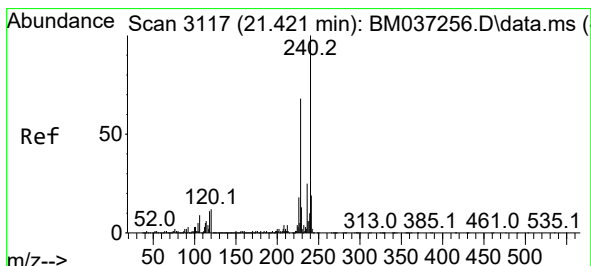
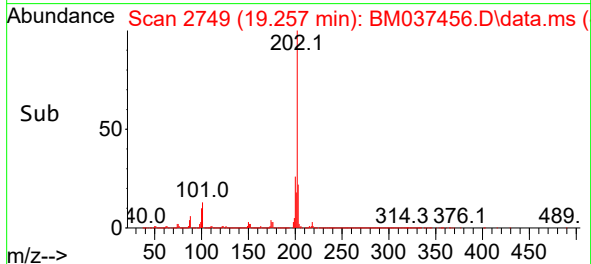
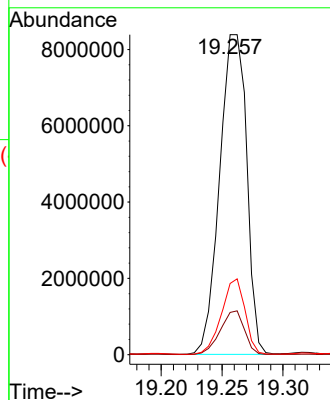
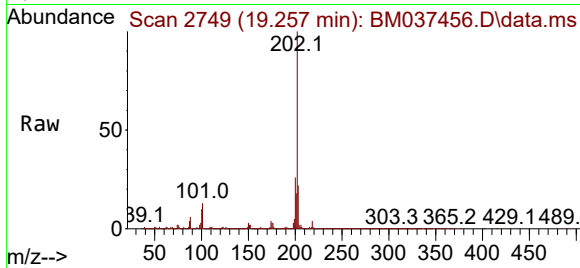




#75
Fluoranthene
Concen: 129.776 ng
RT: 19.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

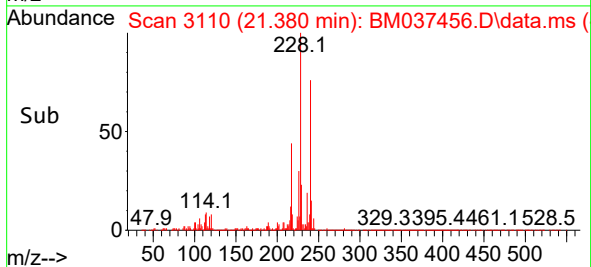
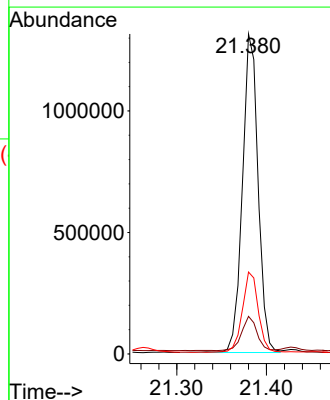
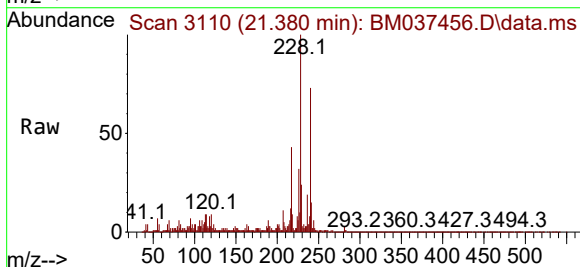
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

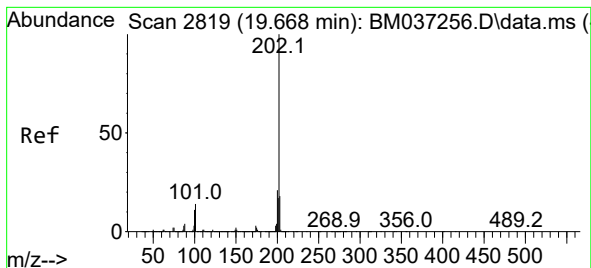
Tgt Ion:202 Resp:12973449
Ion Ratio Lower Upper
202 100
101 13.2 0.0 32.4
203 22.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:240 Resp: 1589239
Ion Ratio Lower Upper
240 100
120 11.8 9.9 14.9
236 25.6 20.3 30.5





#78

Pyrene

Concen: 111.220 ng

RT: 19.621 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5

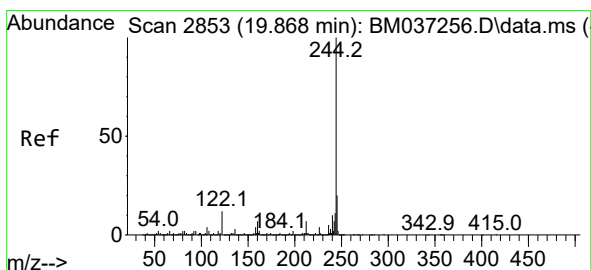
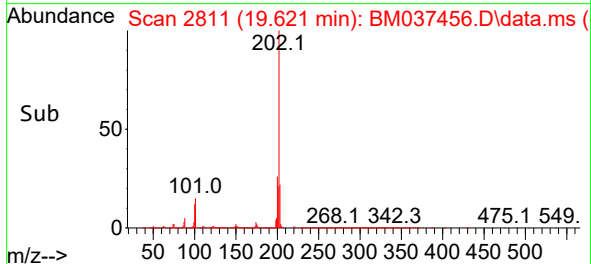
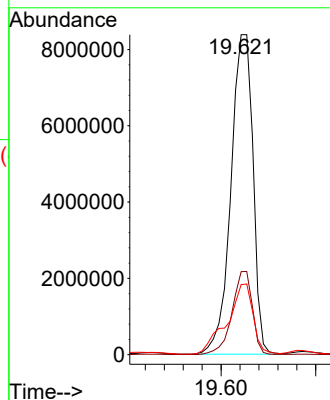
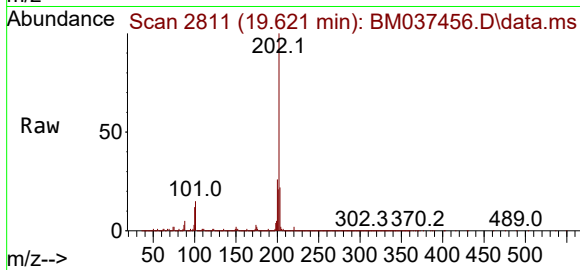
Tgt Ion:202 Resp:13591911

Ion Ratio Lower Upper

202 100

200 26.0 17.0 25.6#

203 21.9 14.1 21.1#



#79

Terphenyl-d14

Concen: 44.178 ng

RT: 19.821 min Scan# 2845

Delta R.T. -0.006 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

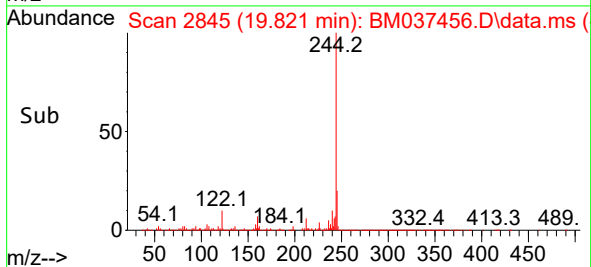
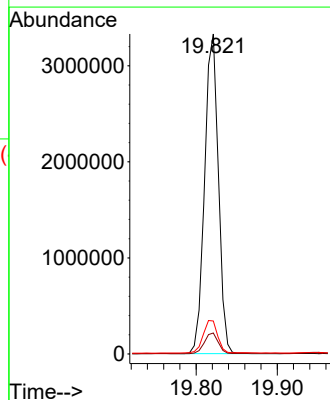
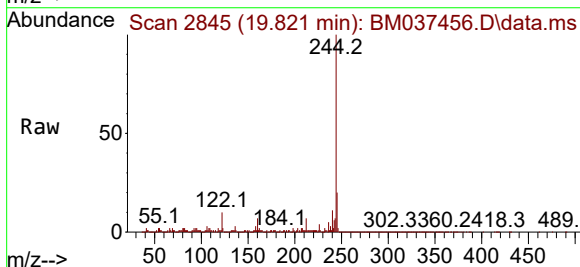
Tgt Ion:244 Resp: 3915162

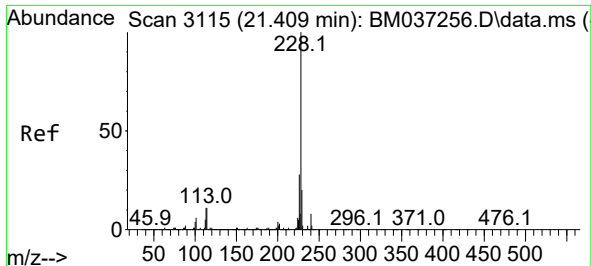
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.3 9.4 14.2

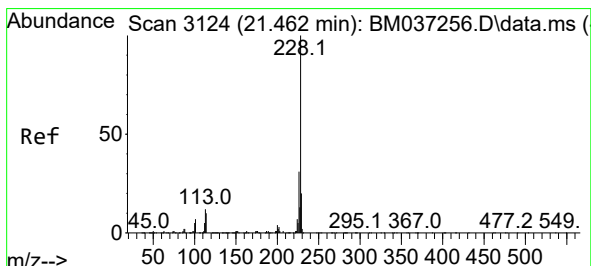
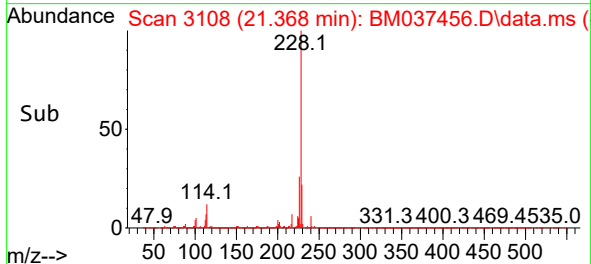
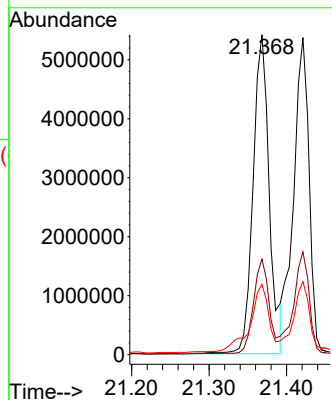
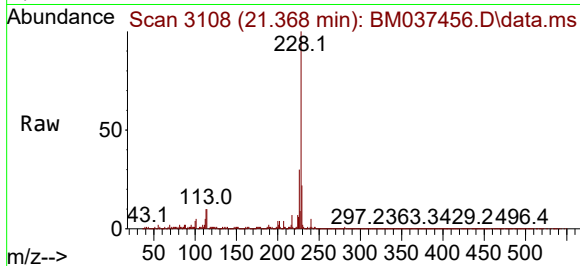




#81
Benzo(a)anthracene
Concen: 69.070 ng
RT: 21.368 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

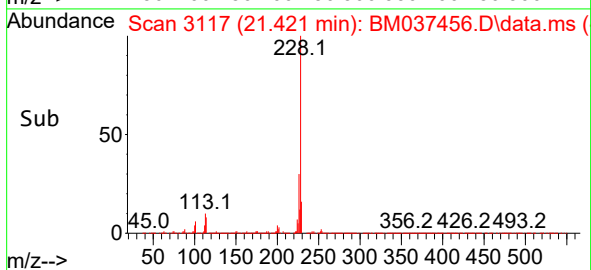
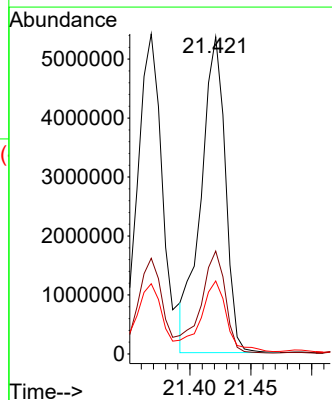
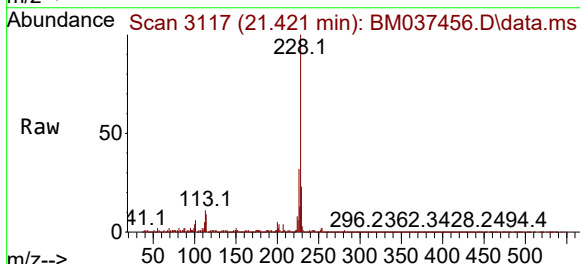
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

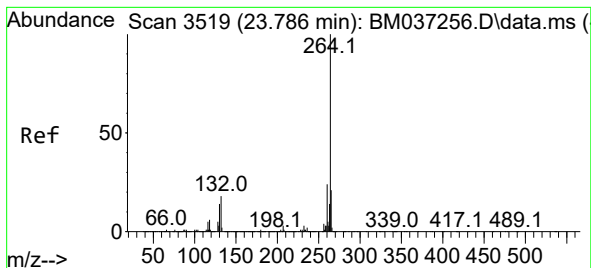
Tgt Ion:228 Resp: 7814768
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 22.0 16.2 24.2



#83
Chrysene
Concen: 68.428 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:228 Resp: 7459152
Ion Ratio Lower Upper
228 100
226 32.4 24.4 36.6
229 23.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5

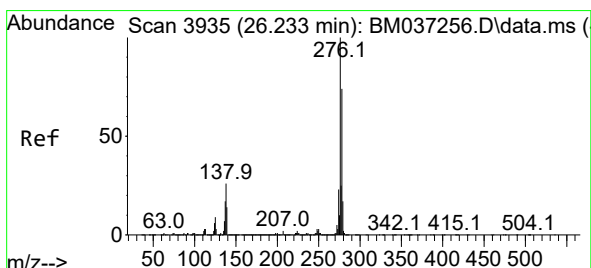
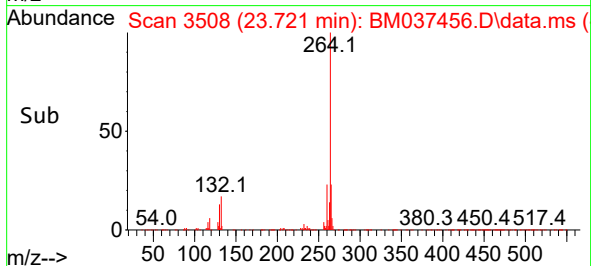
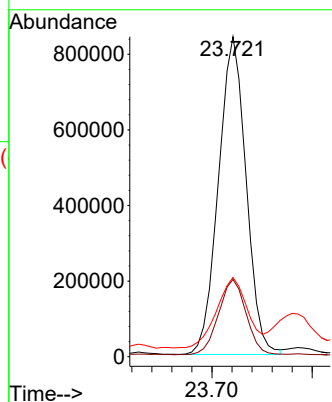
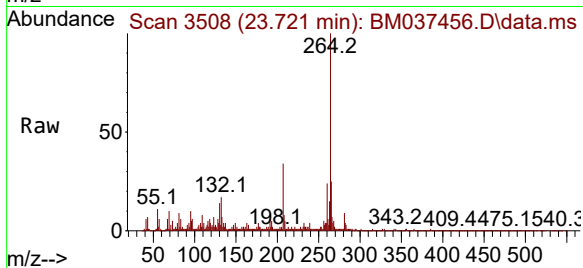
Tgt Ion:264 Resp: 1608661

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 24.8 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 27.827 ng

RT: 26.138 min Scan# 3919

Delta R.T. 0.006 min

Lab File: BM037456.D

Acq: 10 Nov 2022 17:58

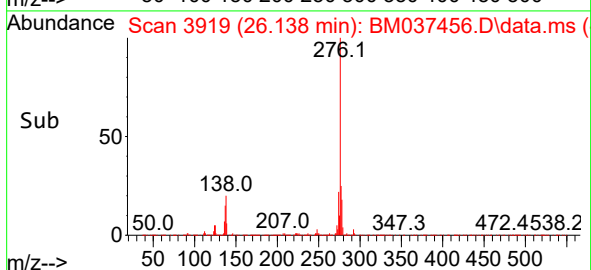
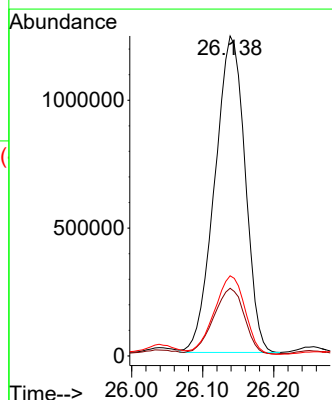
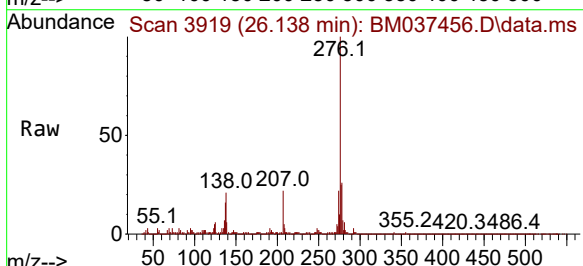
Tgt Ion:276 Resp: 3665189

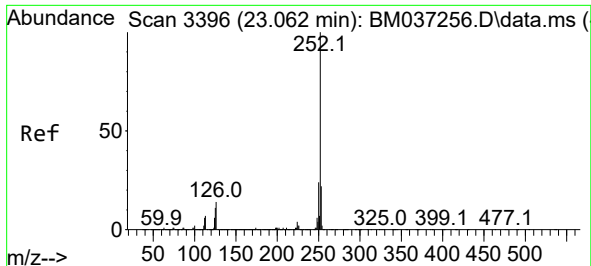
Ion Ratio Lower Upper

276 100

138 21.2 21.5 32.3#

277 25.3 20.1 30.1

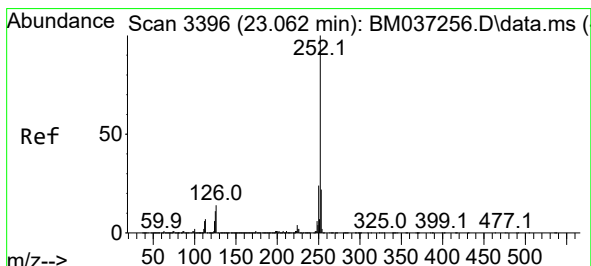
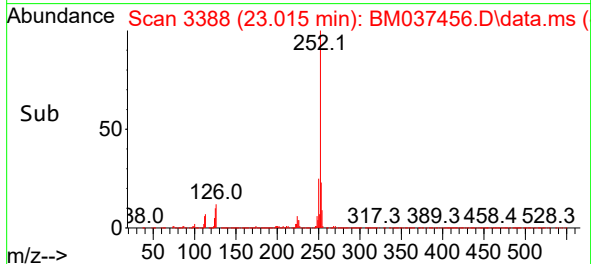
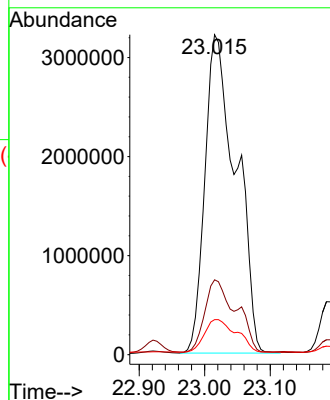
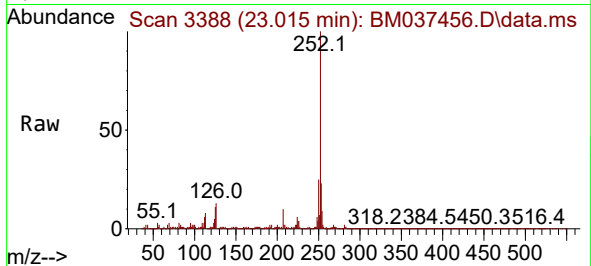




#88
Benzo(b)fluoranthene
Concen: 95.094 ng
RT: 23.015 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

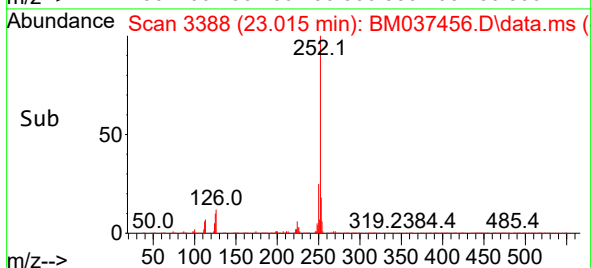
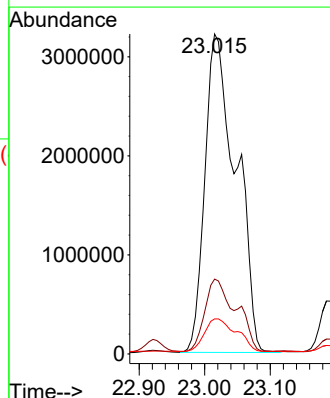
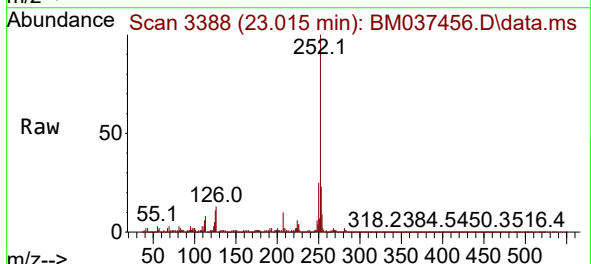
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

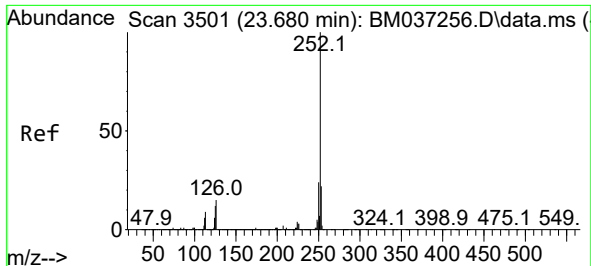
Tgt Ion:252 Resp:10620222
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.9 9.1 13.7



#89
Benzo(k)fluoranthene
Concen: 93.247 ng
RT: 23.015 min Scan# 3388
Delta R.T. -0.035 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:252 Resp:10622512
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.9 9.1 13.7

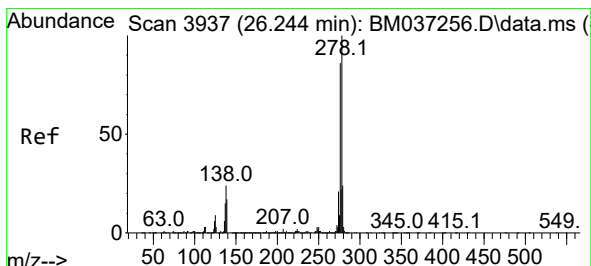
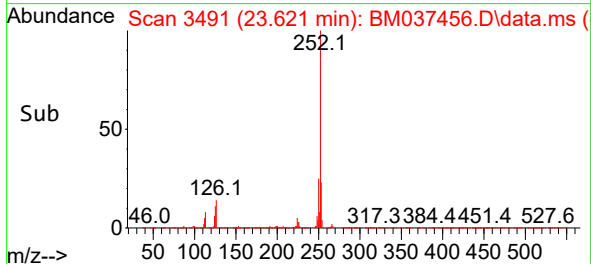
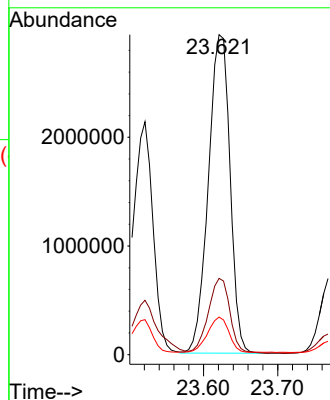
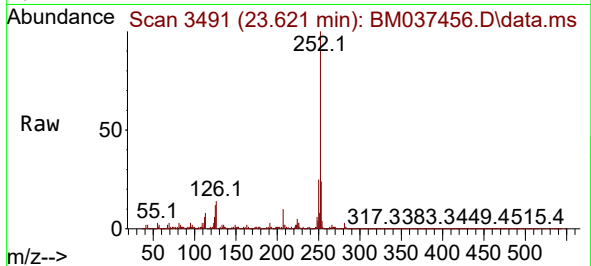




#90
Benzo(a)pyrene
Concen: 65.359 ng
RT: 23.621 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

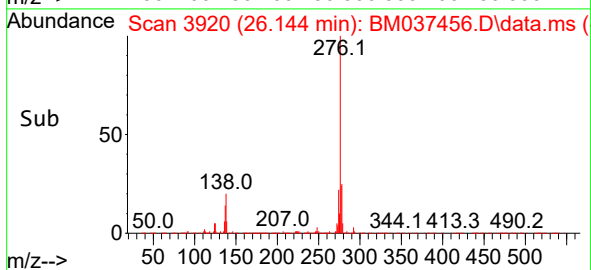
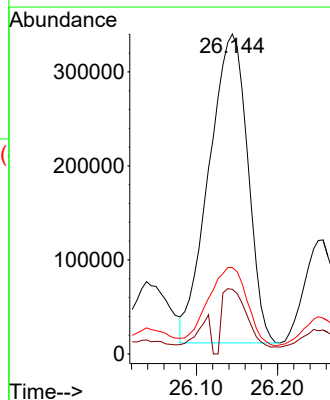
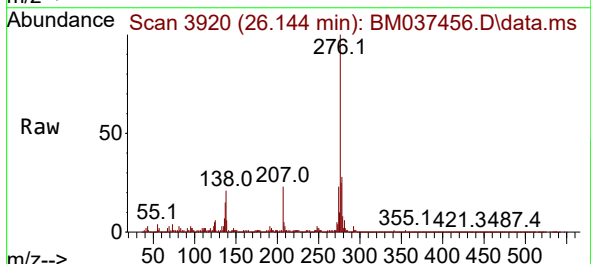
Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

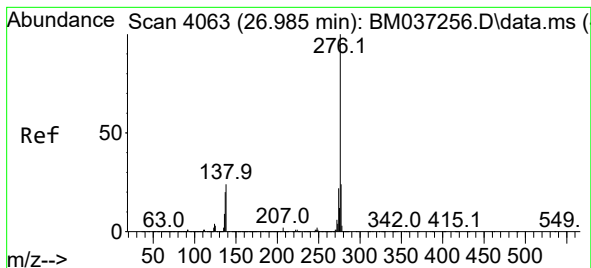
Tgt Ion:252 Resp: 5947442
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 11.7 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 9.961 ng
RT: 26.144 min Scan# 3920
Delta R.T. 0.000 min
Lab File: BM037456.D
Acq: 10 Nov 2022 17:58

Tgt Ion:278 Resp: 1089504
Ion Ratio Lower Upper
278 100
139 20.2 13.8 20.8
279 27.0 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 34.148 ng

RT: 26.891 min Scan# 40

Delta R.T. 0.012 min

Lab File: BM037456.D

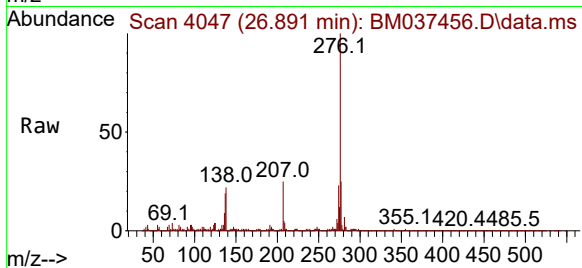
Acq: 10 Nov 2022 17:58

Instrument :

BNA_M

ClientSampleId :

SB-15-20221028-5.5-6.5



Tgt Ion:276 Resp: 3635165

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.2

138 21.6 18.9 28.3

