

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034357.D
 Acq On : 24 Mar 2022 02:10
 Operator : CG/JU
 Sample : N1958-12 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-12-11-12

Quant Time: Mar 24 02:44:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

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

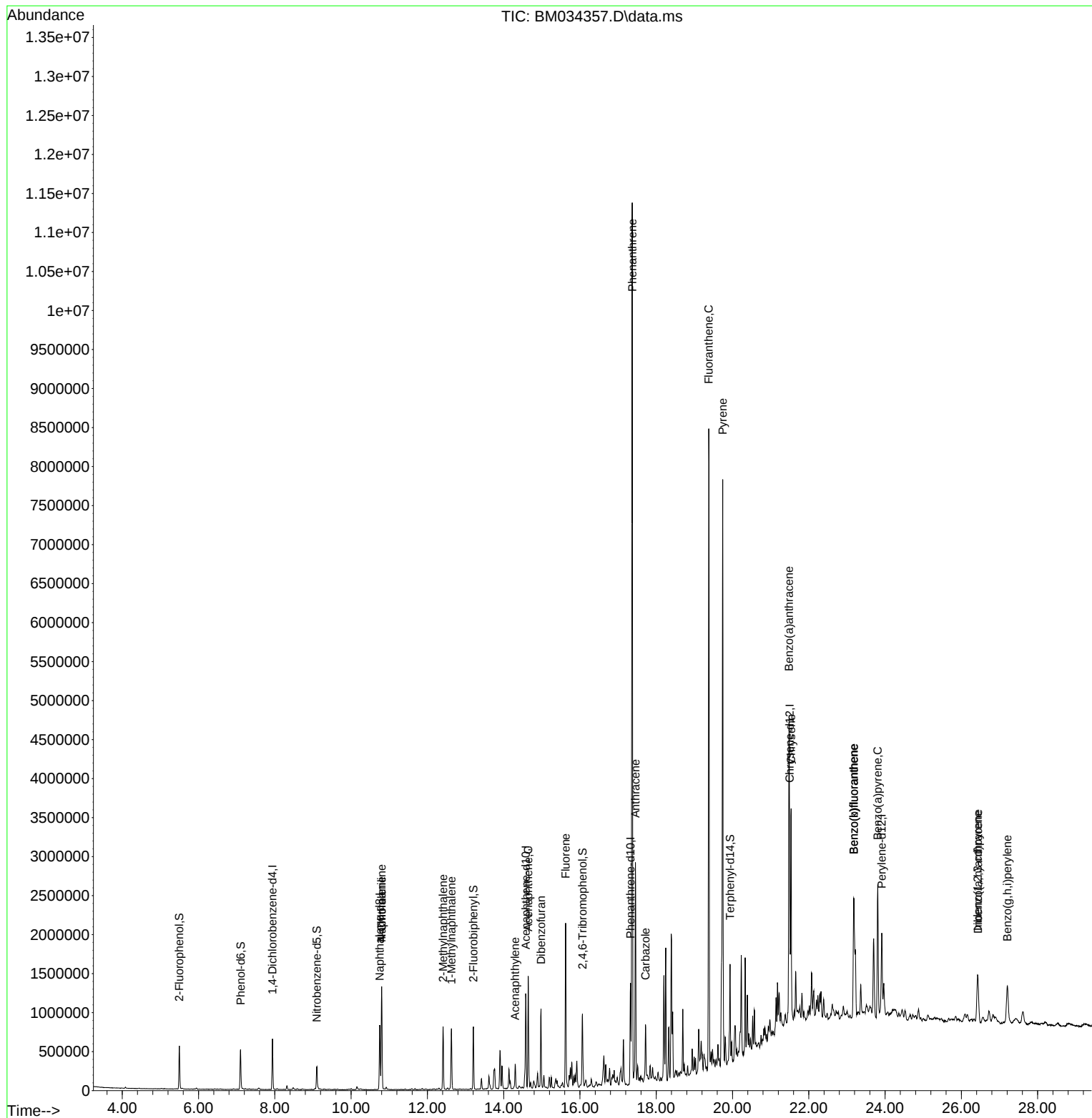
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	168568	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	676117	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	400068	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	774190	20.000	ng	0.00
76) Chrysene-d12	21.494	240	727003	20.000	ng	0.00
86) Perylene-d12	23.912	264	814931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	227945	24.259	ng	0.00
7) Phenol-d6	7.101	99	286892	21.325	ng	0.00
23) Nitrobenzene-d5	9.101	82	179714	12.941	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	109542	20.314	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	393745	13.449	ng	0.00
79) Terphenyl-d14	19.936	244	532785	12.734	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.801	128	1027012	29.157	ng	99
33) 4-Chloroaniline	10.801	127	134416	9.674	ng	# 34
37) 2-Methylnaphthalene	12.413	142	374274	14.891	ng	98
38) 1-Methylnaphthalene	12.630	142	345972	14.071	ng	99
49) Acenaphthylene	14.301	152	113471	3.109	ng	# 94
52) Acenaphthene	14.642	154	478382	19.461	ng	99
55) Dibenzofuran	14.977	168	525851	14.355	ng	97
58) Fluorene	15.624	166	848609	28.534	ng	99
71) Phenanthrene	17.371	178	6641589	153.186	ng	98
72) Anthracene	17.454	178	1648073	39.054	ng	99
73) Carbazole	17.718	167	453881	11.533	ng	99
75) Fluoranthene	19.377	202	4571996	94.067	ng	97
78) Pyrene	19.742	202	4364704	85.212	ng	99
81) Benzo(a)anthracene	21.483	228	1831941	39.924	ng	98
83) Chrysene	21.536	228	1483324	31.656	ng	97
87) Indeno(1,2,3-cd)pyrene	26.429	276	645467	12.313	ng	98
88) Benzo(b)fluoranthene	23.183	252	1544673	31.698	ng	99
89) Benzo(k)fluoranthene	23.183	252	1544673	29.923	ng	99
90) Benzo(a)pyrene	23.806	252	1300120	31.471	ng	99
91) Dibenzo(a,h)anthracene	26.435	278	185860	4.372	ng	# 82
92) Benzo(g,h,i)perylene	27.206	276	669067	15.207	ng	99

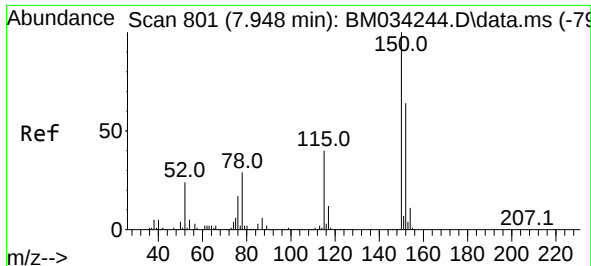
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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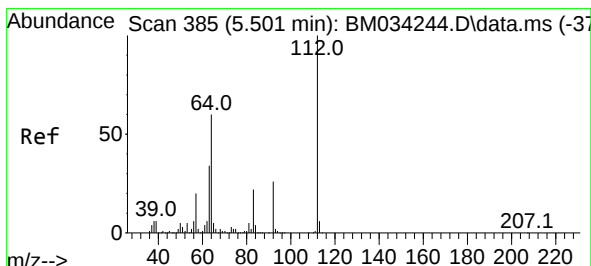
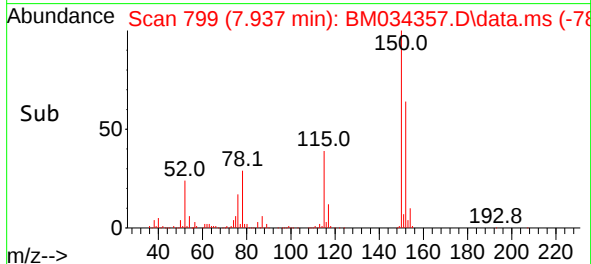
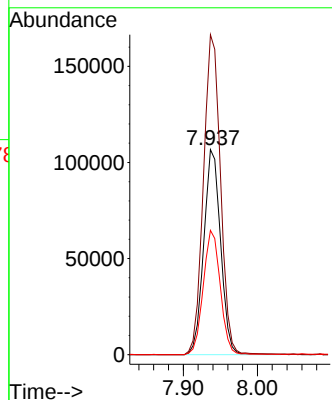
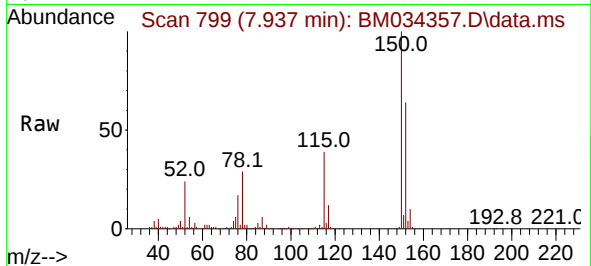




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

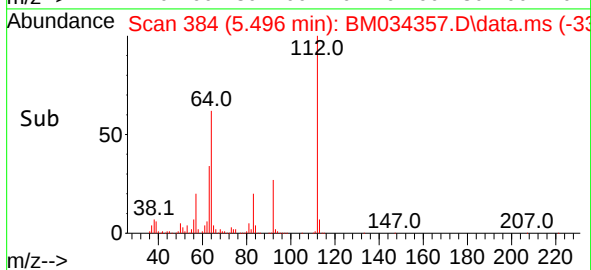
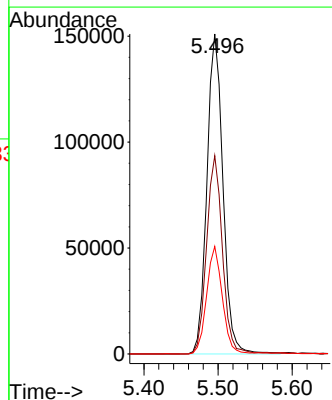
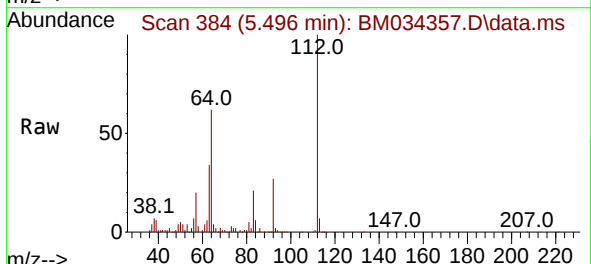
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

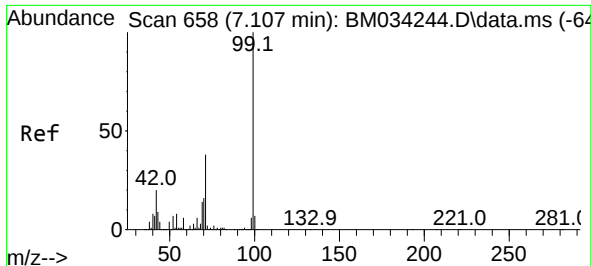
Tgt Ion:152 Resp: 168568
Ion Ratio Lower Upper
152 100
150 156.0 125.4 188.2
115 60.6 50.1 75.1



#5
2-Fluorophenol
Concen: 24.259 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:112 Resp: 227945
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 33.6 27.1 40.7

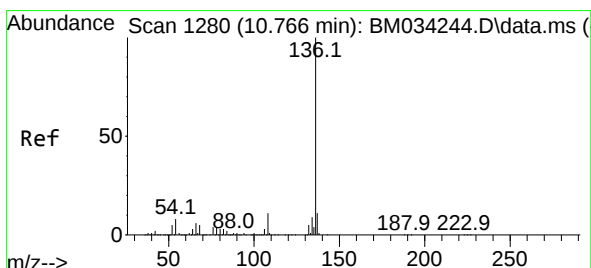
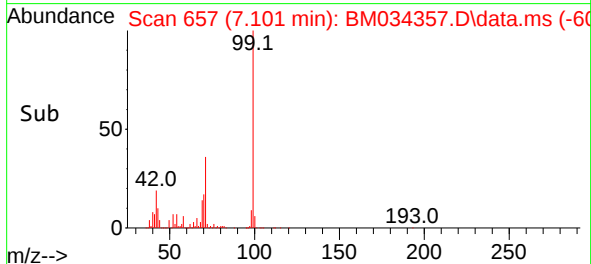
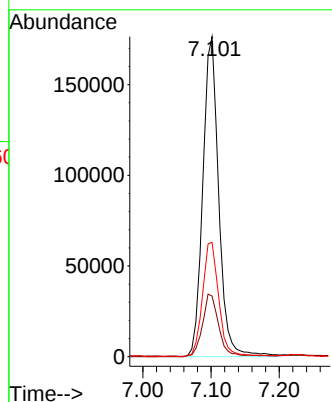
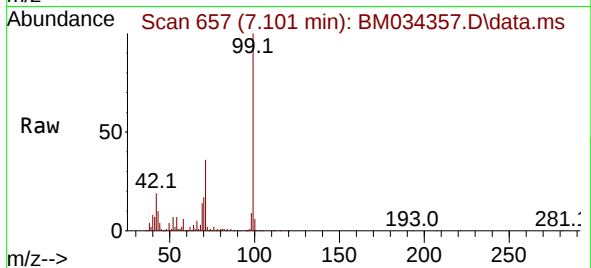




#7
Phenol-d6
Concen: 21.325 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

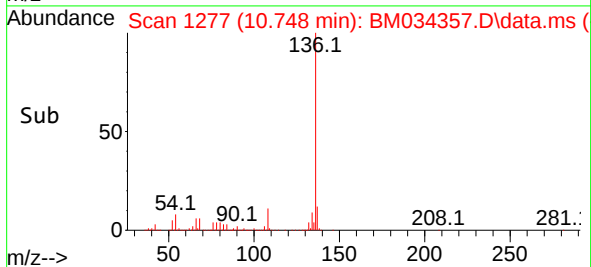
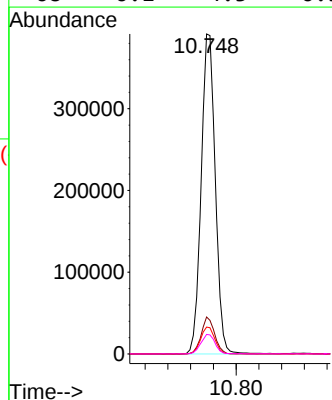
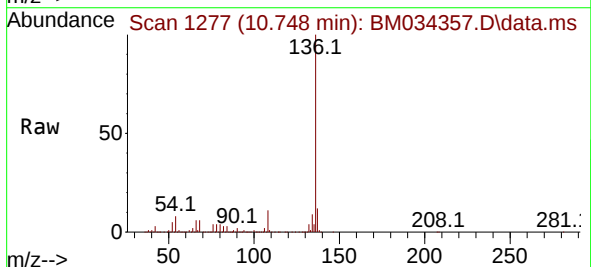
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

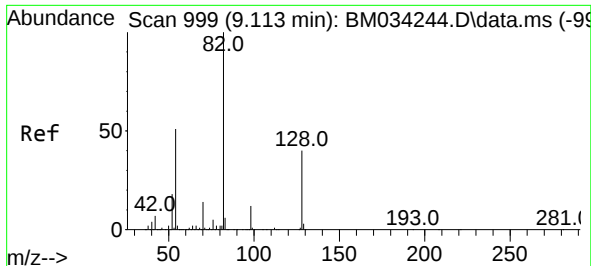
Tgt Ion: 99 Resp: 286892
Ion Ratio Lower Upper
99 100
42 19.0 15.6 23.4
71 35.8 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion: 136 Resp: 676117
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.4 6.2 9.4
68 6.1 4.3 6.5

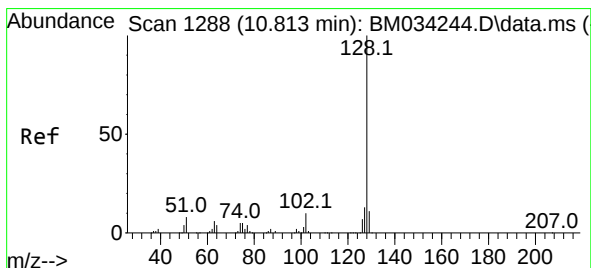
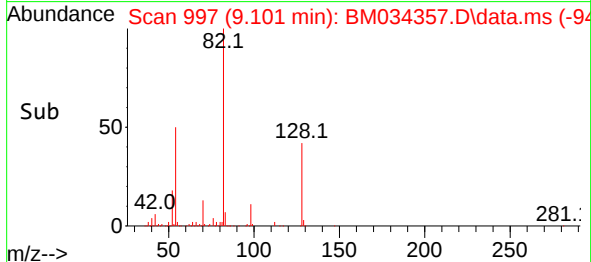
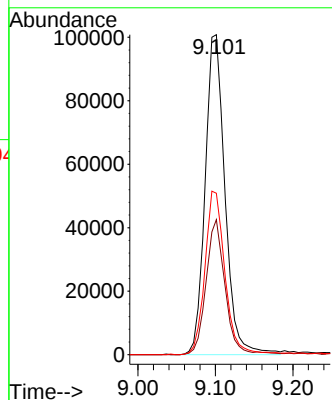
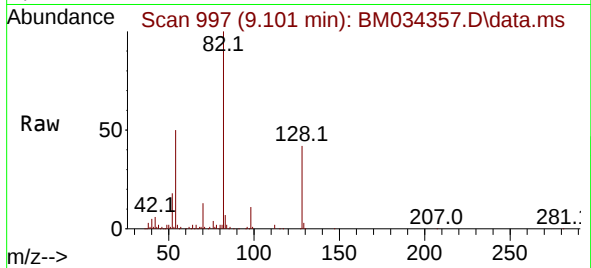




#23
Nitrobenzene-d5
Concen: 12.941 ng
RT: 9.101 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

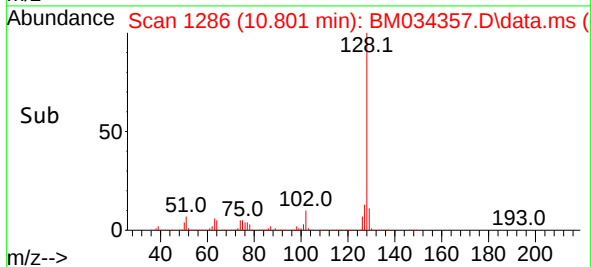
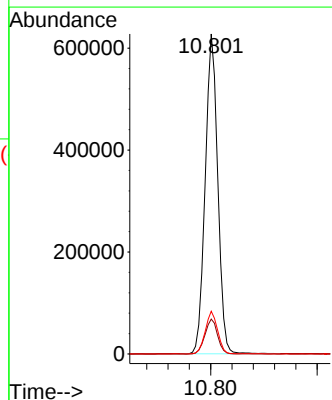
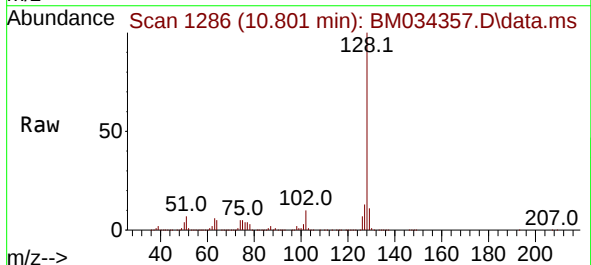
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

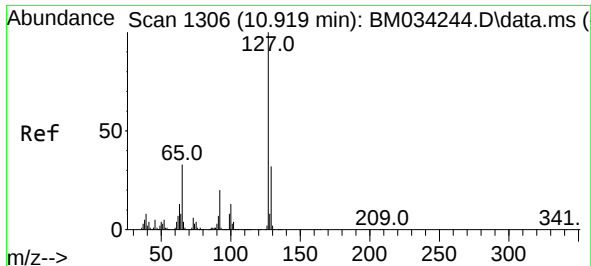
Tgt Ion: 82 Resp: 179714
Ion Ratio Lower Upper
82 100
128 42.2 31.9 47.9
54 50.4 40.6 61.0



#31
Naphthalene
Concen: 29.157 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion: 128 Resp: 1027012
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.4 10.2 15.4

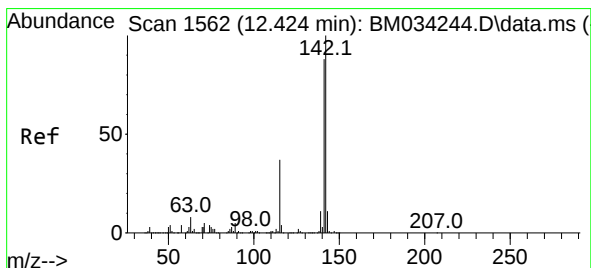
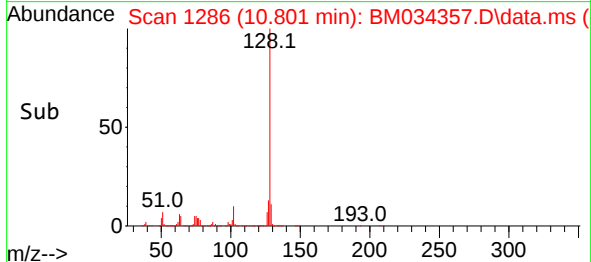
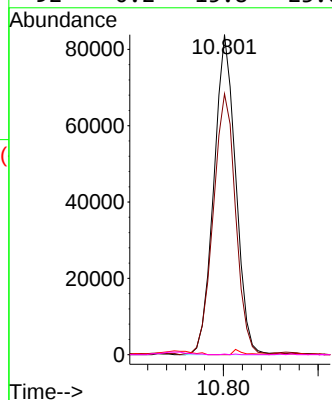
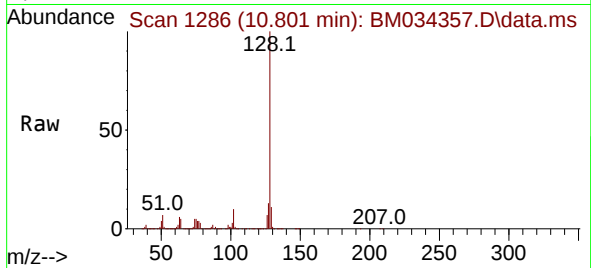




#33
4-Chloroaniline
Concen: 9.674 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.106 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

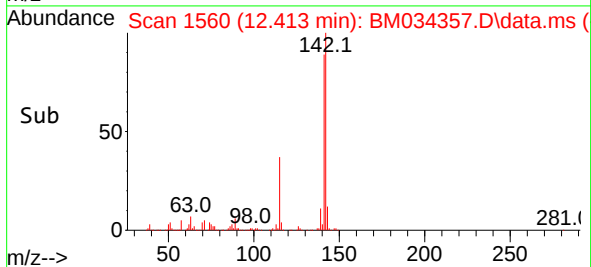
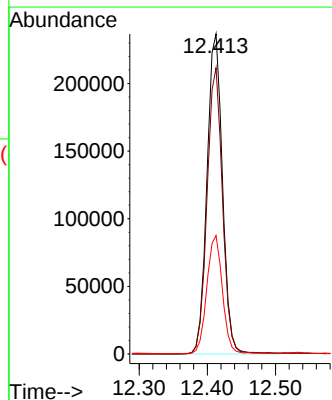
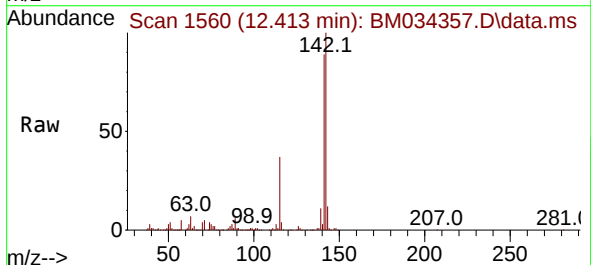
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

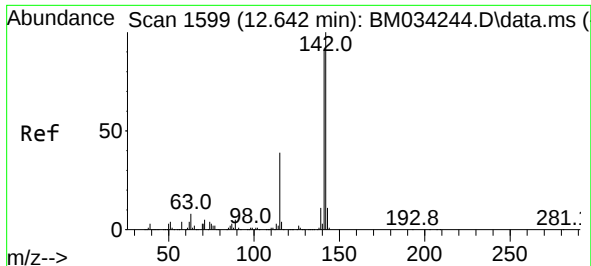
Tgt Ion:127	Resp: 134416
Ion Ratio	Lower Upper
127 100	
129 81.5	25.4 38.2#
65 0.0	26.2 39.2#
92 0.2	15.8 23.6#



#37
2-Methylnaphthalene
Concen: 14.891 ng
RT: 12.413 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:142	Resp: 374274
Ion Ratio	Lower Upper
142 100	
141 89.4	70.1 105.1
115 37.0	29.9 44.9





#38

1-Methylnaphthalene

Concen: 14.071 ng

RT: 12.630 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12

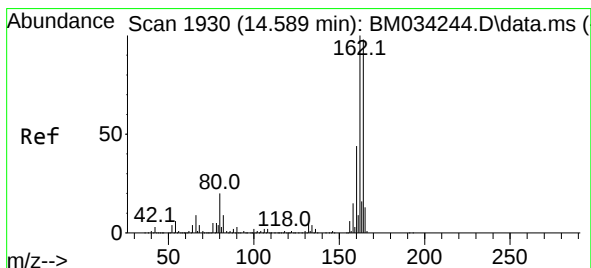
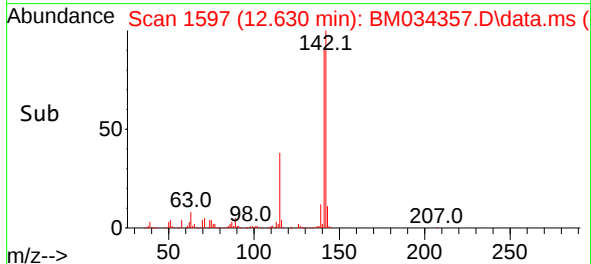
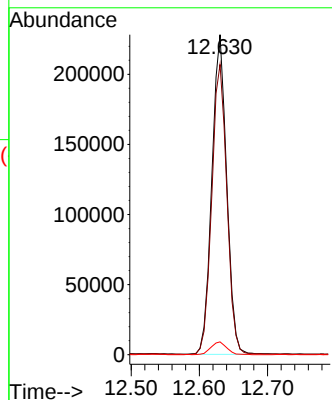
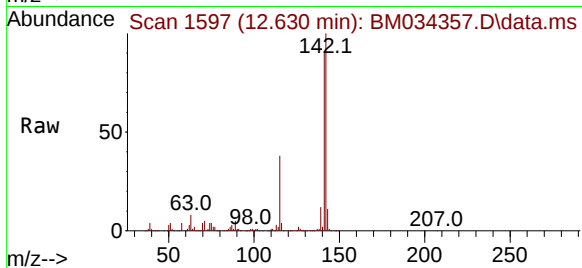
Tgt Ion:142 Resp: 345972

Ion Ratio Lower Upper

142 100

141 90.7 73.0 109.6

116 4.0 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.577 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

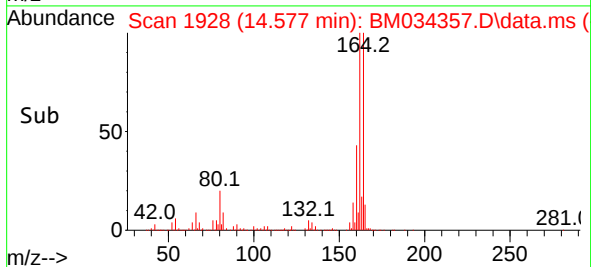
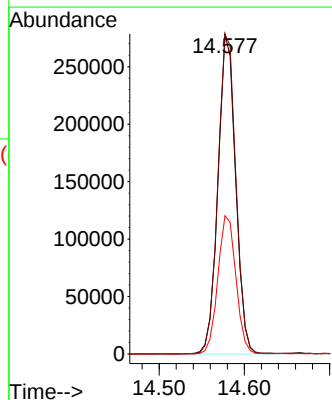
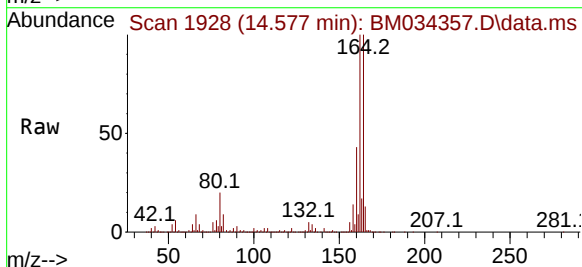
Tgt Ion:164 Resp: 400068

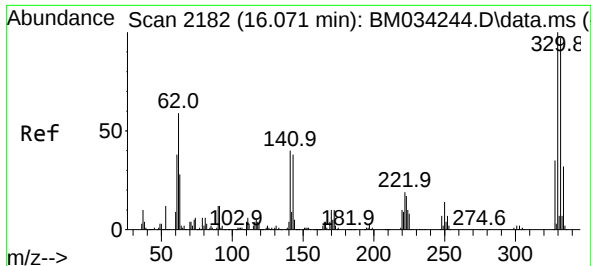
Ion Ratio Lower Upper

164 100

162 100.1 81.6 122.4

160 43.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 20.314 ng

RT: 16.065 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12

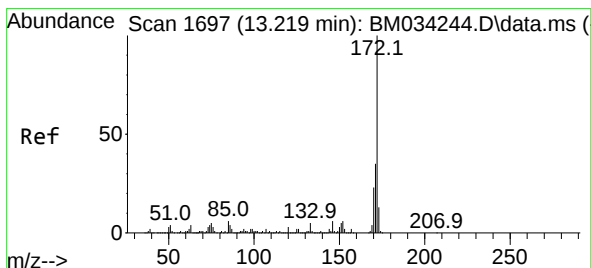
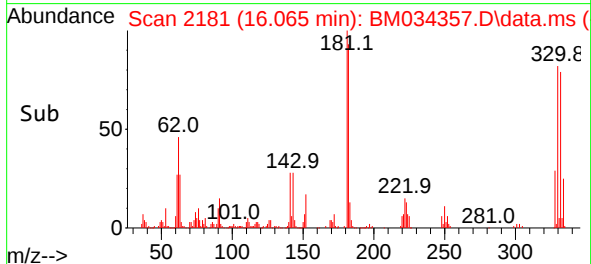
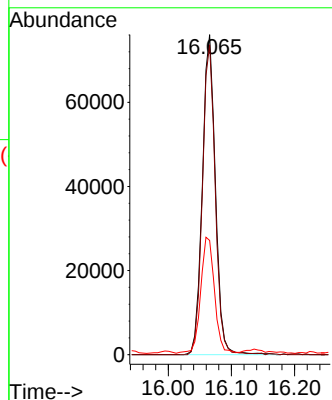
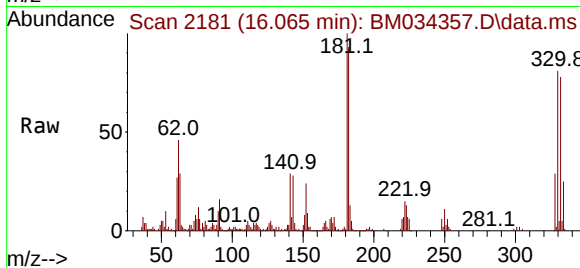
Tgt Ion:330 Resp: 109542

Ion Ratio Lower Upper

330 100

332 95.0 78.2 117.4

141 38.2 30.6 45.8



#45

2-Fluorobiphenyl

Concen: 13.449 ng

RT: 13.207 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

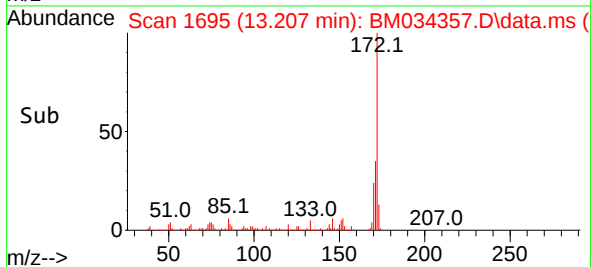
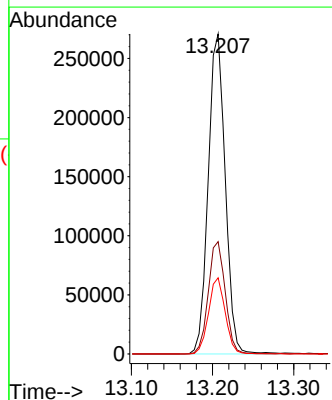
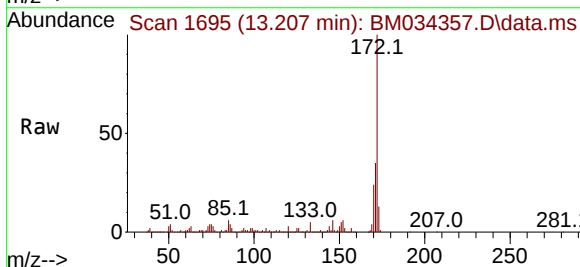
Tgt Ion:172 Resp: 393745

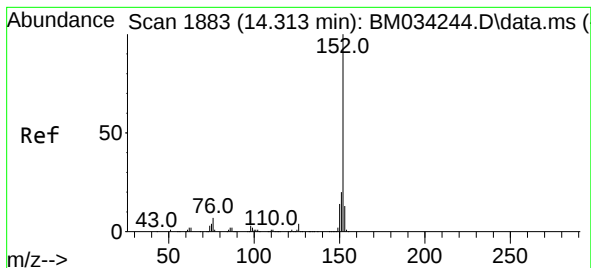
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.8 18.6 28.0





#49

Acenaphthylene

Concen: 3.109 ng

RT: 14.301 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12

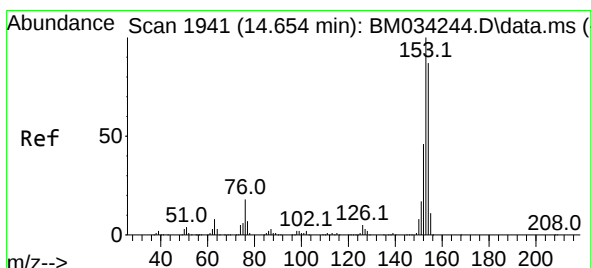
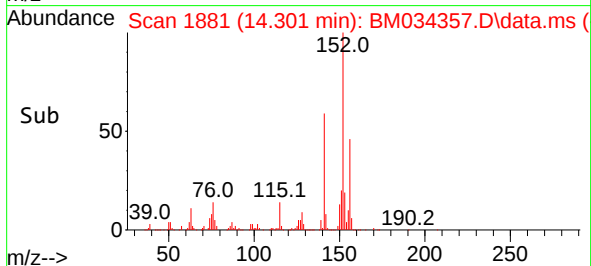
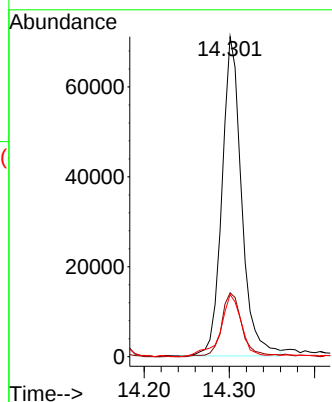
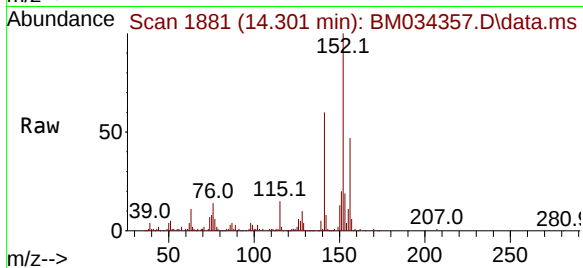
Tgt Ion:152 Resp: 113471

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 19.4 10.6 16.0#



#52

Acenaphthene

Concen: 19.461 ng

RT: 14.642 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

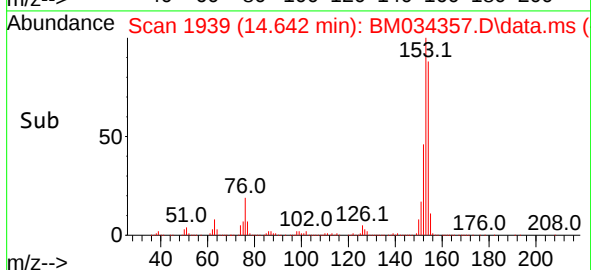
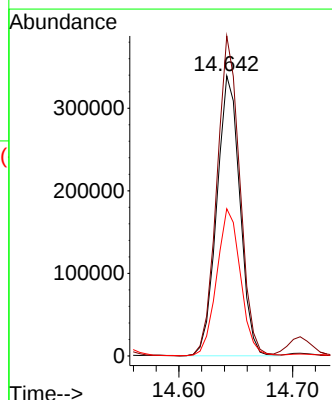
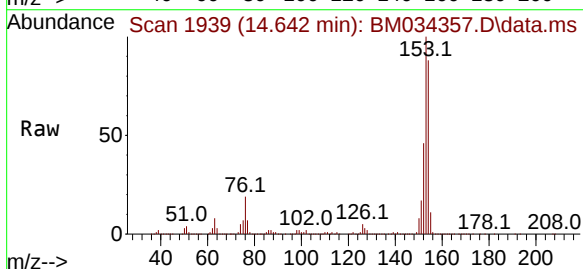
Tgt Ion:154 Resp: 478382

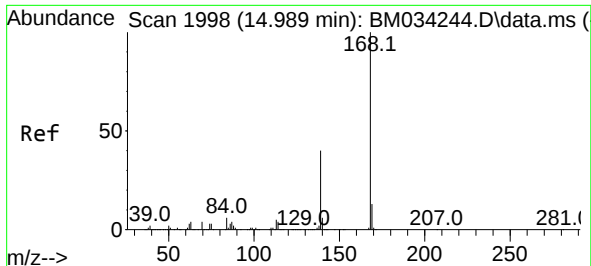
Ion Ratio Lower Upper

154 100

153 114.2 91.8 137.8

152 52.6 42.6 64.0

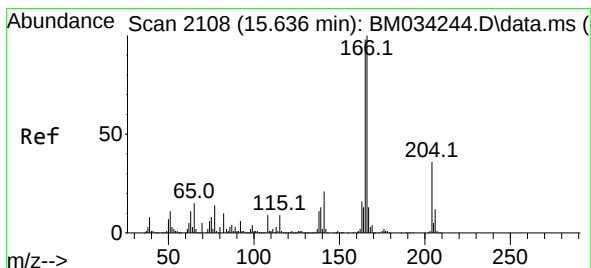
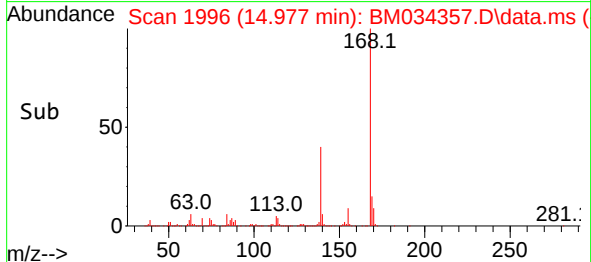
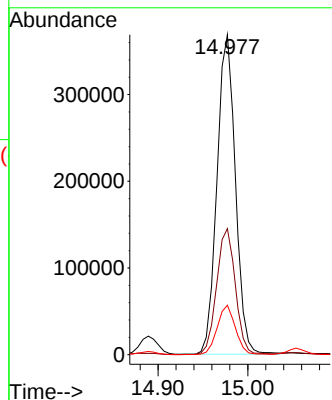
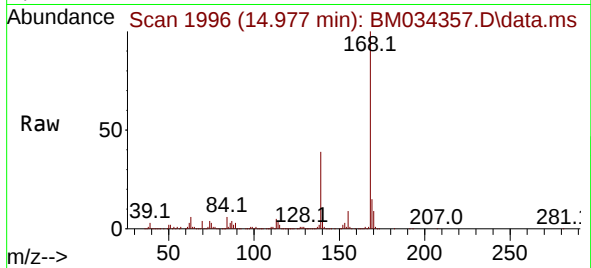




#55
Dibenzenofuran
Concen: 14.355 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

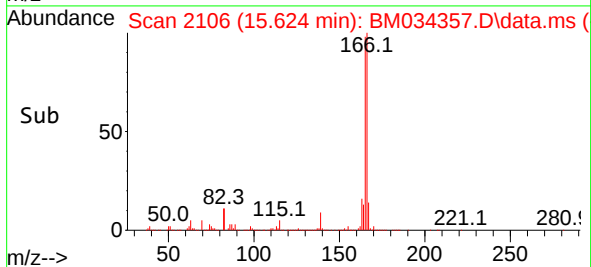
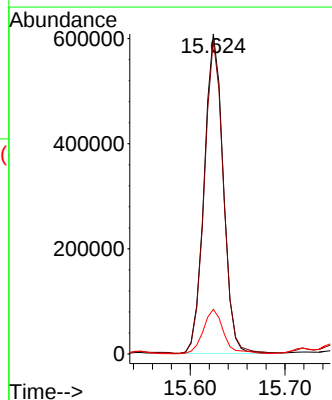
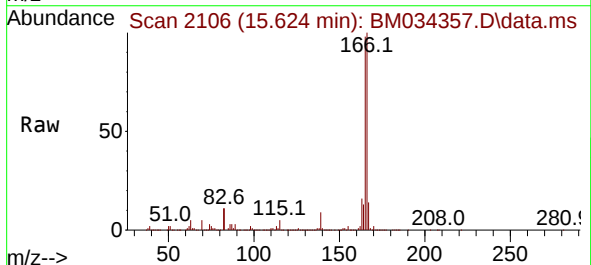
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

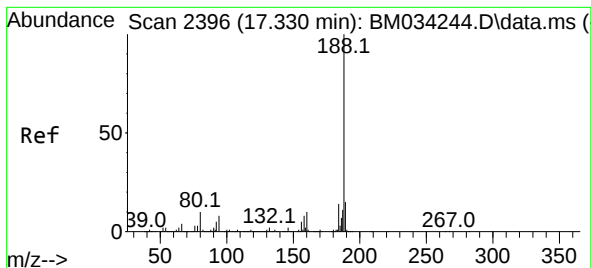
Tgt Ion:168 Resp: 525851
Ion Ratio Lower Upper
168 100
139 39.4 32.4 48.6
169 15.5 10.8 16.2



#58
Fluorene
Concen: 28.534 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:166 Resp: 848609
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 14.0 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12

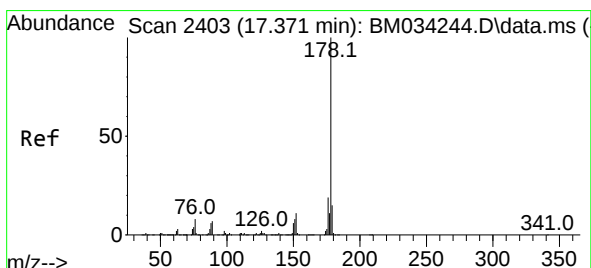
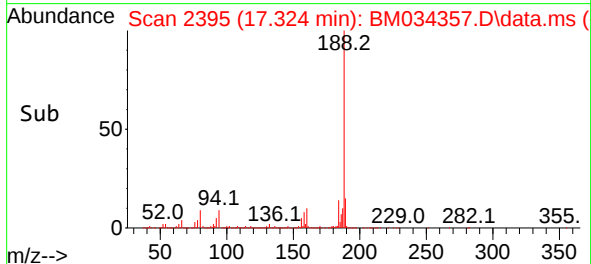
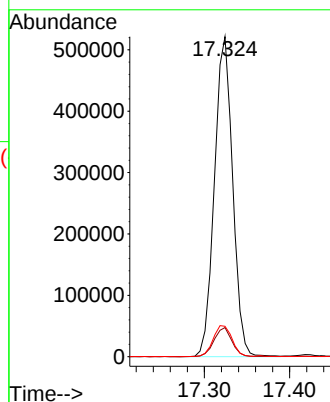
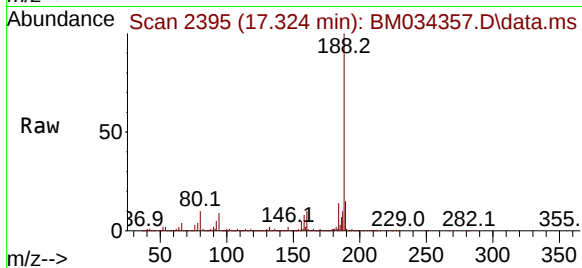
Tgt Ion:188 Resp: 774190

Ion Ratio Lower Upper

188 100

94 9.1 6.6 9.8

80 9.5 7.8 11.8



#71

Phenanthrene

Concen: 153.186 ng

RT: 17.371 min Scan# 2403

Delta R.T. 0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

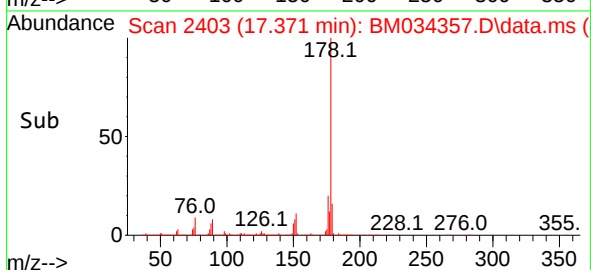
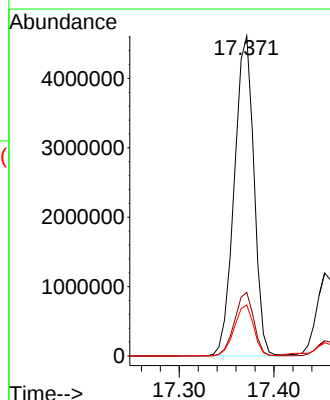
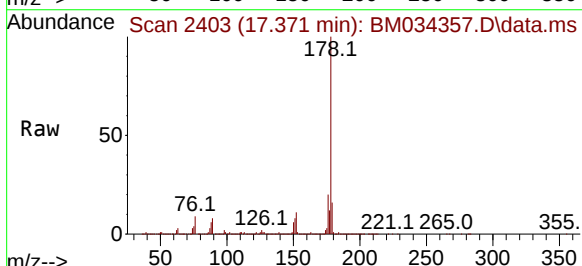
Tgt Ion:178 Resp: 6641589

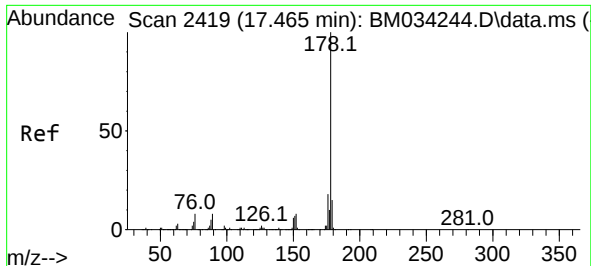
Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

179 15.9 12.2 18.4

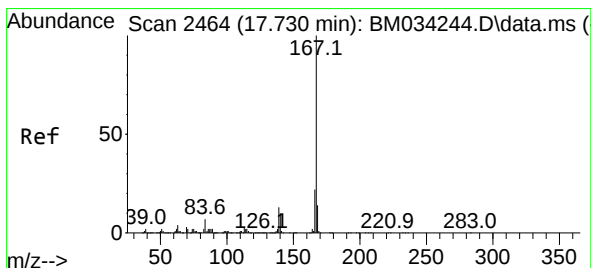
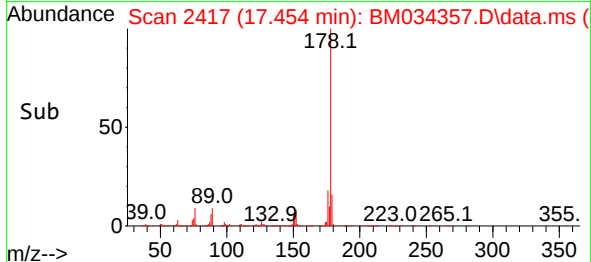
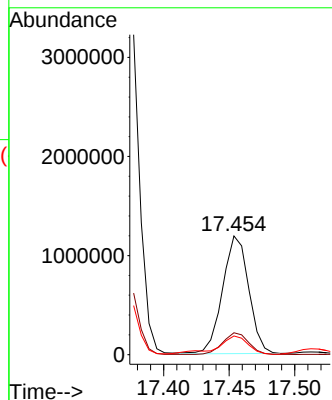
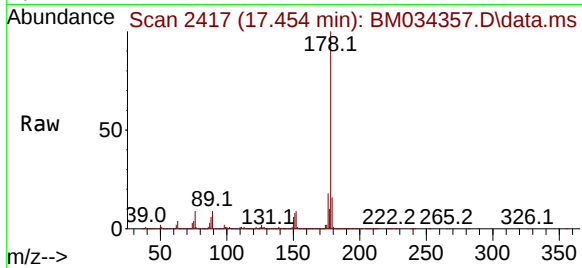




#72
 Anthracene
 Concen: 39.054 ng
 RT: 17.454 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM034357.D
 Acq: 24 Mar 2022 02:10

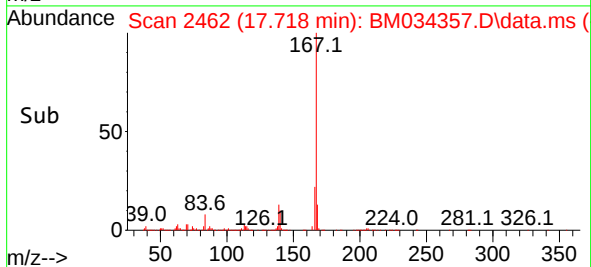
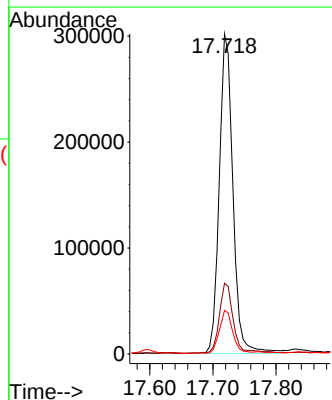
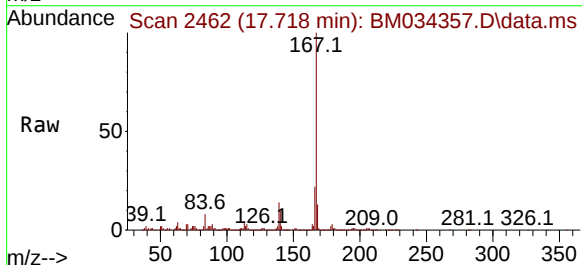
Instrument :
 BNA_M
 ClientSampleId :
 C-12-11-12

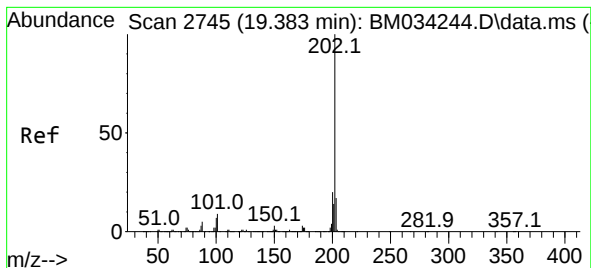
Tgt Ion:178 Resp: 1648073
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.8 12.2 18.2



#73
 Carbazole
 Concen: 11.533 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BM034357.D
 Acq: 24 Mar 2022 02:10

Tgt Ion:167 Resp: 453881
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 13.6 10.4 15.6





#75

Fluoranthene

Concen: 94.067 ng

RT: 19.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

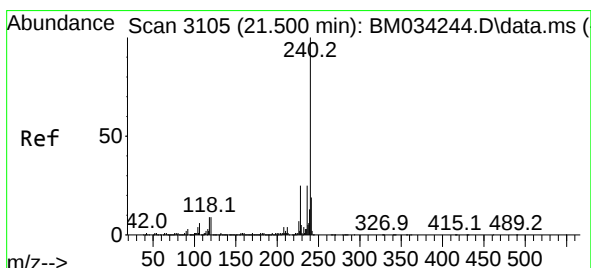
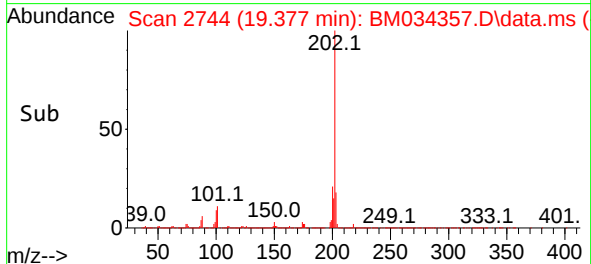
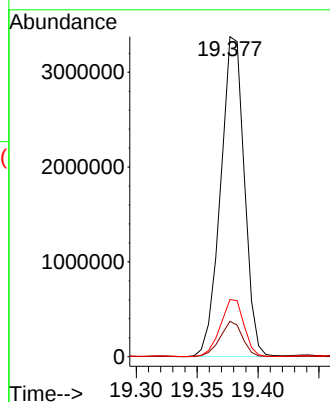
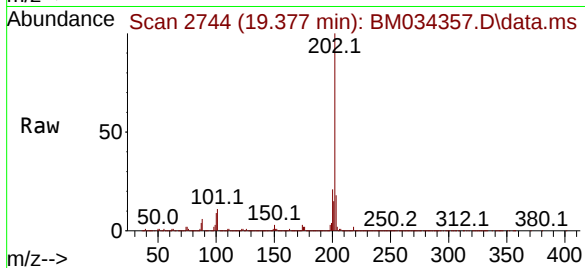
BNA_M

ClientSampleId :

C-12-11-12

Tgt Ion:202 Resp: 4571996

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	29.4
203	17.9	0.0	37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.494 min Scan# 3104

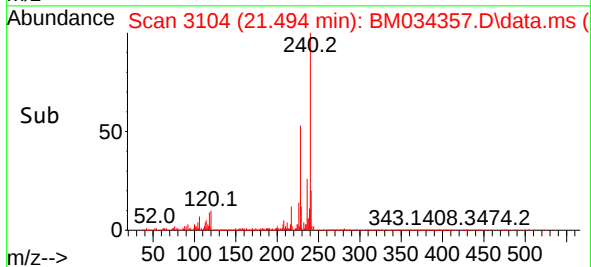
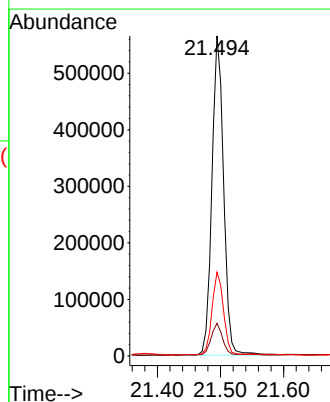
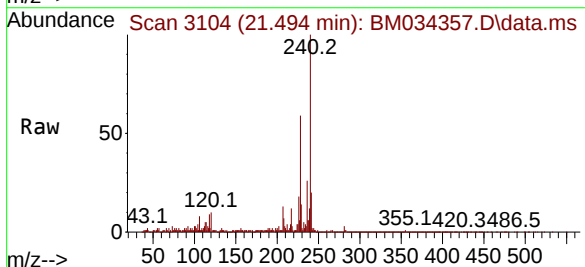
Delta R.T. -0.000 min

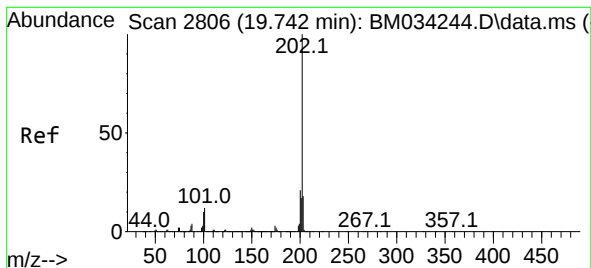
Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Tgt Ion:240 Resp: 727003

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.3	10.9
236	26.2	20.2	30.2





#78

Pyrene

Concen: 85.212 ng

RT: 19.742 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12

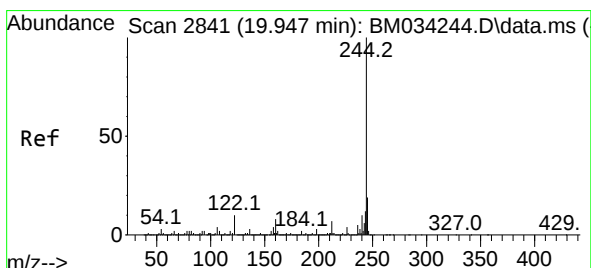
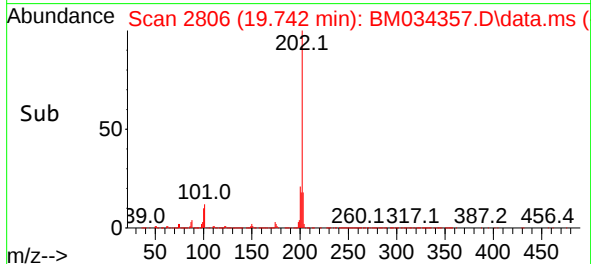
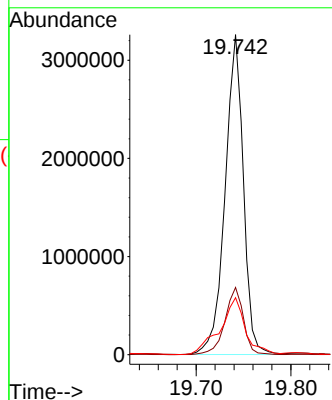
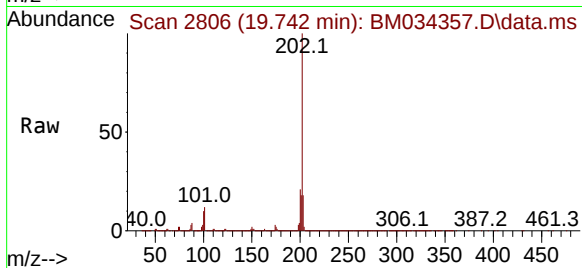
Tgt Ion:202 Resp: 4364704

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 12.734 ng

RT: 19.936 min Scan# 2839

Delta R.T. -0.000 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

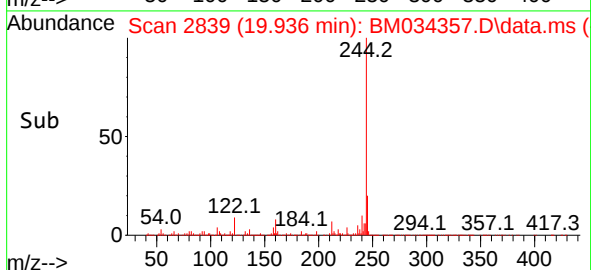
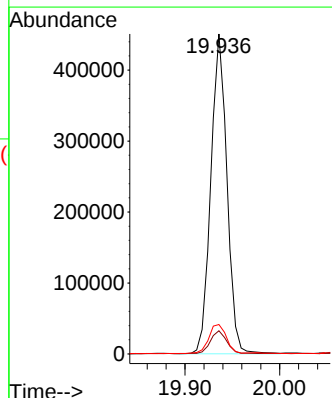
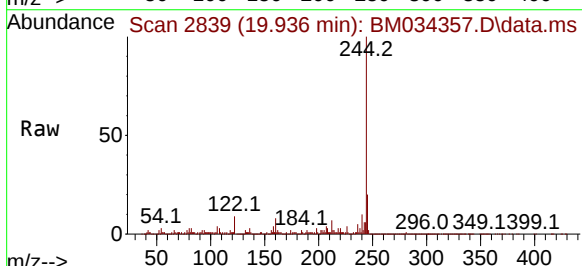
Tgt Ion:244 Resp: 532785

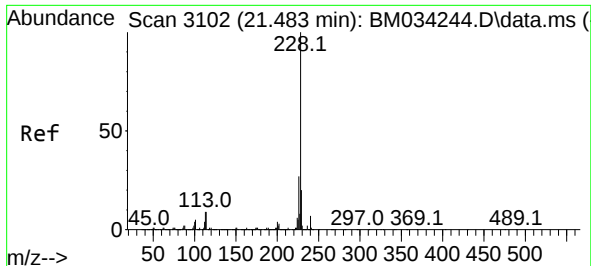
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.2 7.8 11.8

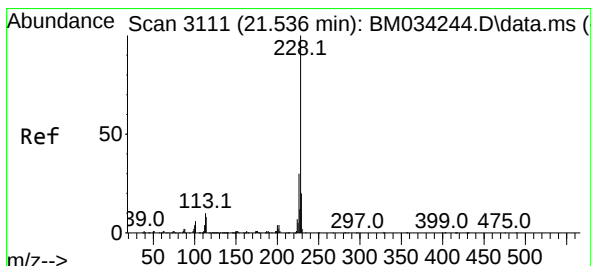
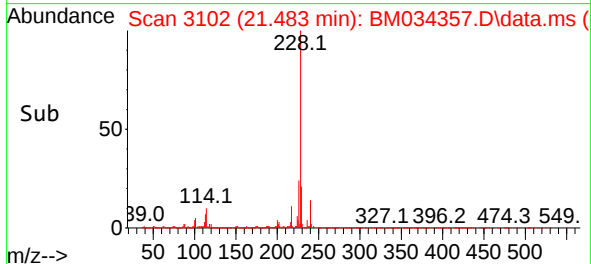
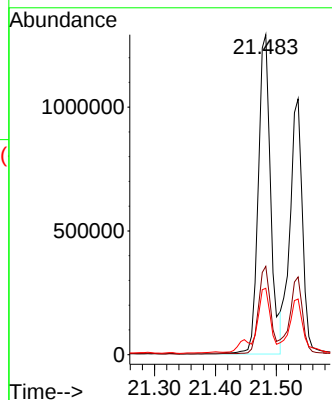
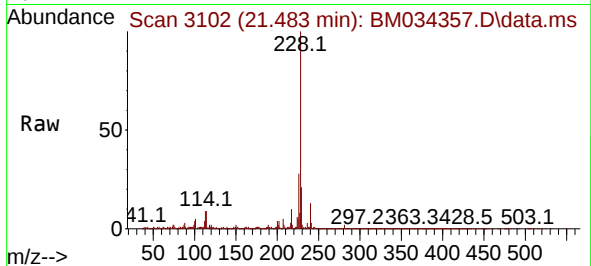




#81
Benzo(a)anthracene
Concen: 39.924 ng
RT: 21.483 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

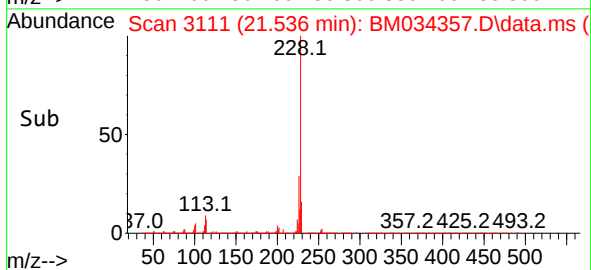
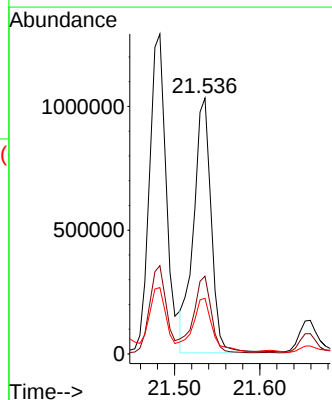
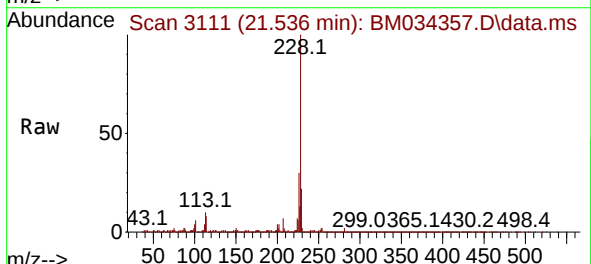
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

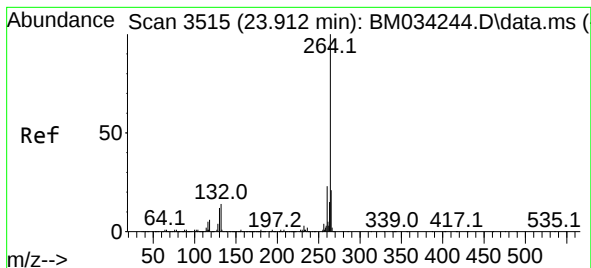
Tgt Ion:228 Resp: 1831941
Ion Ratio Lower Upper
228 100
226 27.6 21.6 32.4
229 20.7 15.8 23.6



#83
Chrysene
Concen: 31.656 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:228 Resp: 1483324
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.912 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12

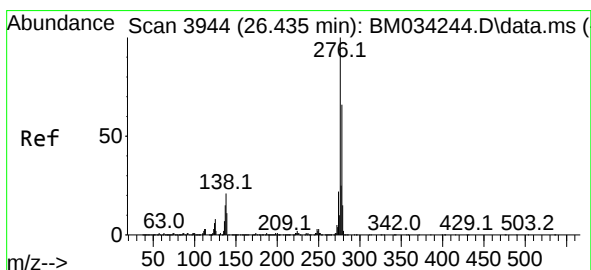
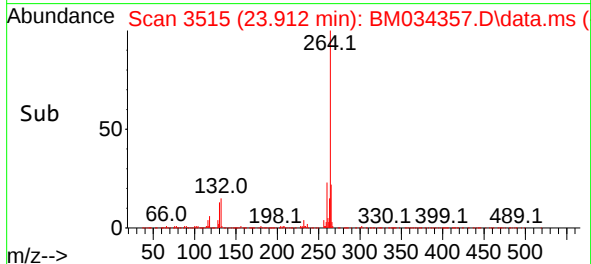
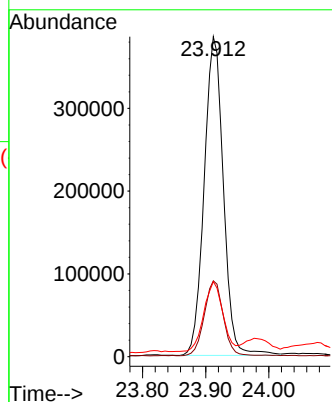
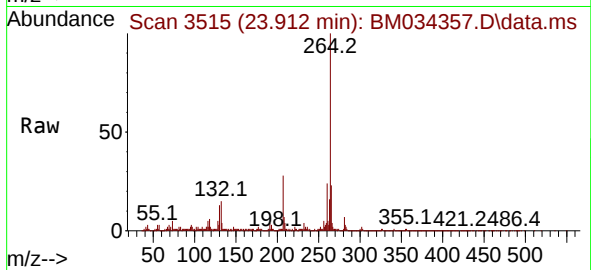
Tgt Ion:264 Resp: 814931

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 23.5 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.313 ng

RT: 26.429 min Scan# 3943

Delta R.T. 0.006 min

Lab File: BM034357.D

Acq: 24 Mar 2022 02:10

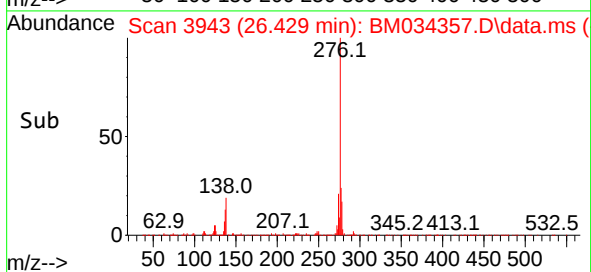
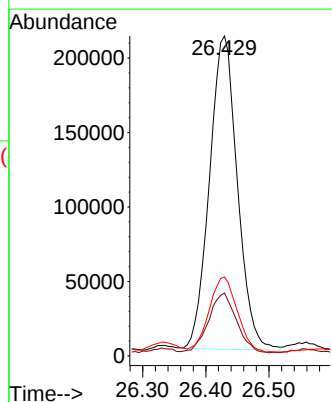
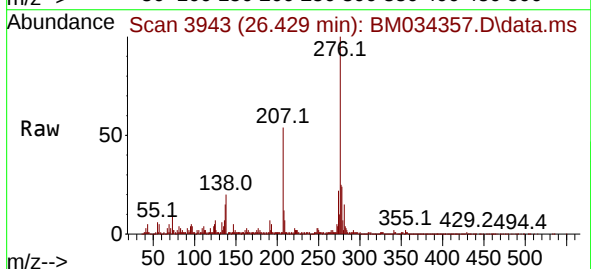
Tgt Ion:276 Resp: 645467

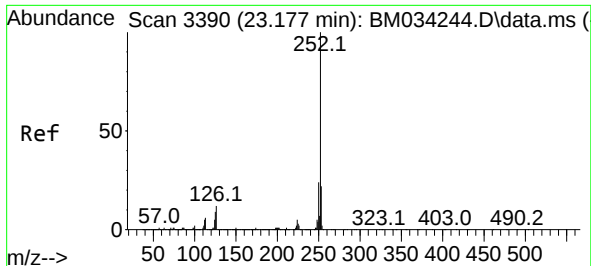
Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 24.5 19.8 29.6

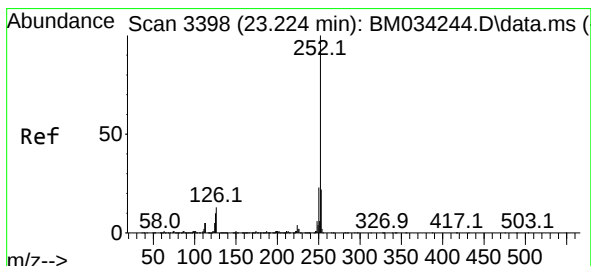
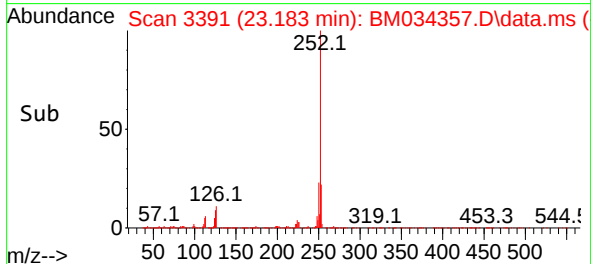
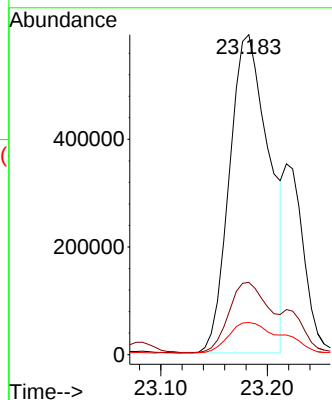
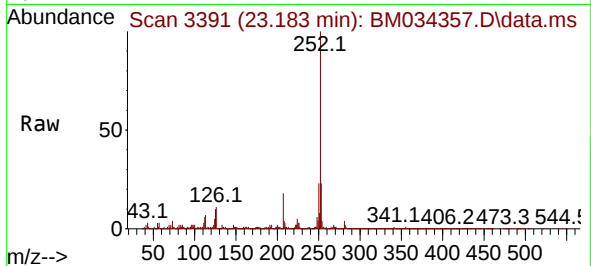




#88
Benzo(b)fluoranthene
Concen: 31.698 ng
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

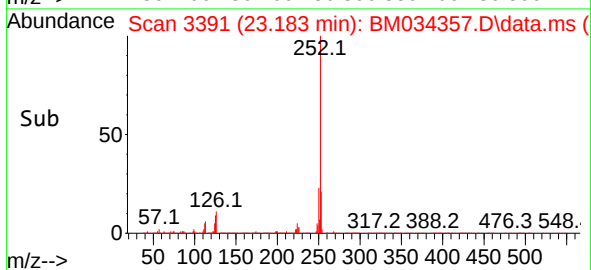
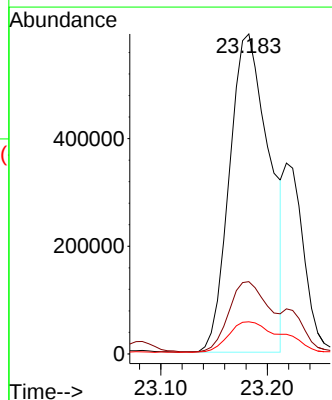
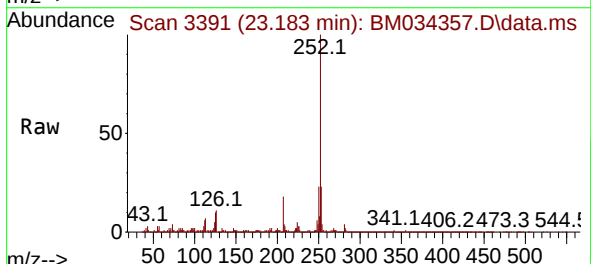
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

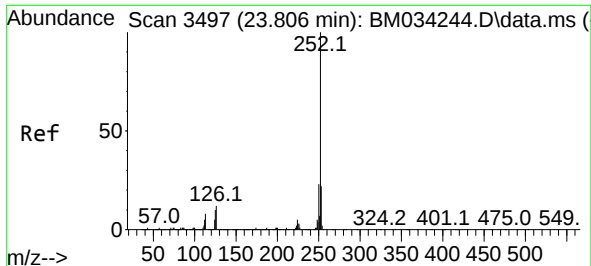
Tgt Ion:252 Resp: 1544673
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.1 7.2 10.8



#89
Benzo(k)fluoranthene
Concen: 29.923 ng
RT: 23.183 min Scan# 3391
Delta R.T. -0.041 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:252 Resp: 1544673
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.1 7.5 11.3

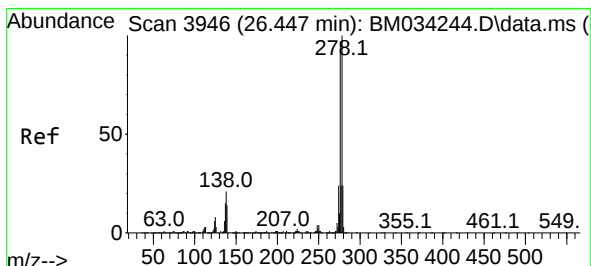
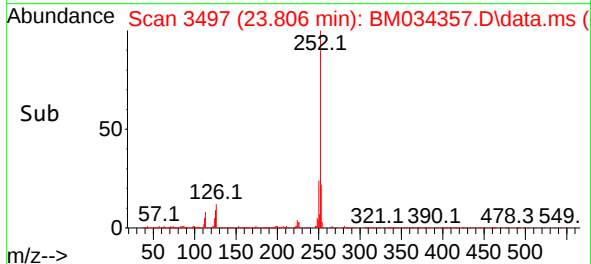
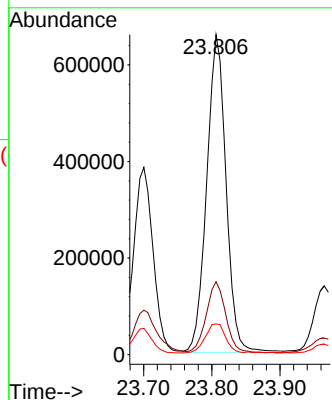
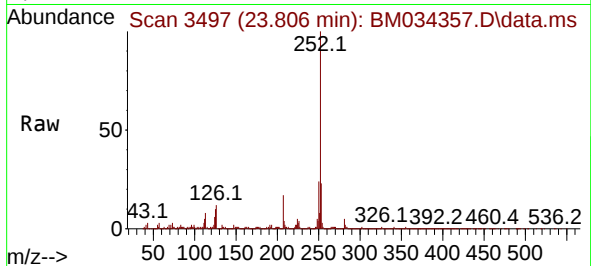




#90
Benzo(a)pyrene
Concen: 31.471 ng
RT: 23.806 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

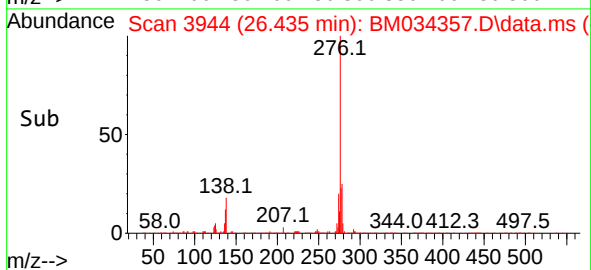
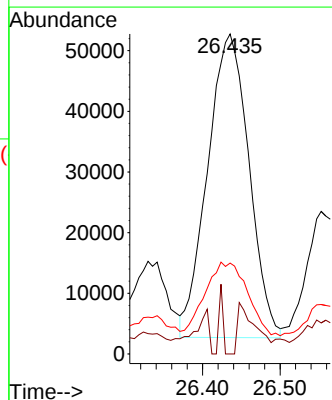
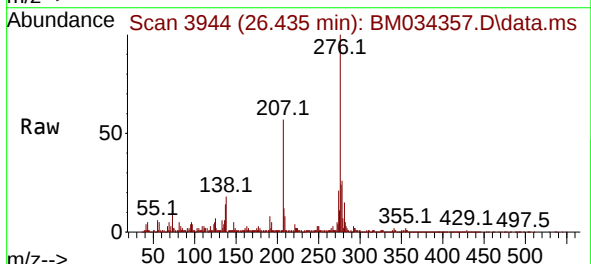
Instrument :
BNA_M
ClientSampleId :
C-12-11-12

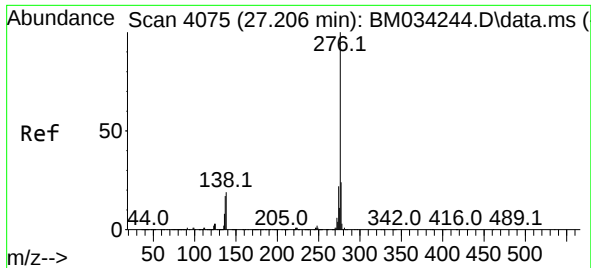
Tgt Ion:252 Resp: 1300120
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.6 7.8 11.6



#91
Dibenzo(a,h)anthracene
Concen: 4.372 ng
RT: 26.435 min Scan# 3944
Delta R.T. -0.006 min
Lab File: BM034357.D
Acq: 24 Mar 2022 02:10

Tgt Ion:278 Resp: 185860
Ion Ratio Lower Upper
278 100
139 0.0 11.2 16.8#
279 28.4 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 15.207 ng

RT: 27.206 min Scan# 40

Delta R.T. 0.006 min

Lab File: BM034357.D

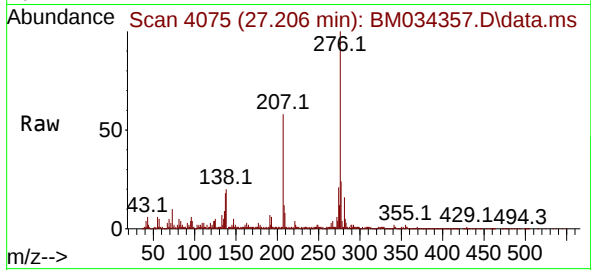
Acq: 24 Mar 2022 02:10

Instrument :

BNA_M

ClientSampleId :

C-12-11-12



Tgt Ion:276 Resp: 669067

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 20.1 15.6 23.4

