

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034346.D
 Acq On : 23 Mar 2022 19:33
 Operator : CG/JU
 Sample : N1958-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-1-0-1

Quant Time: Mar 24 02:43:17 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)

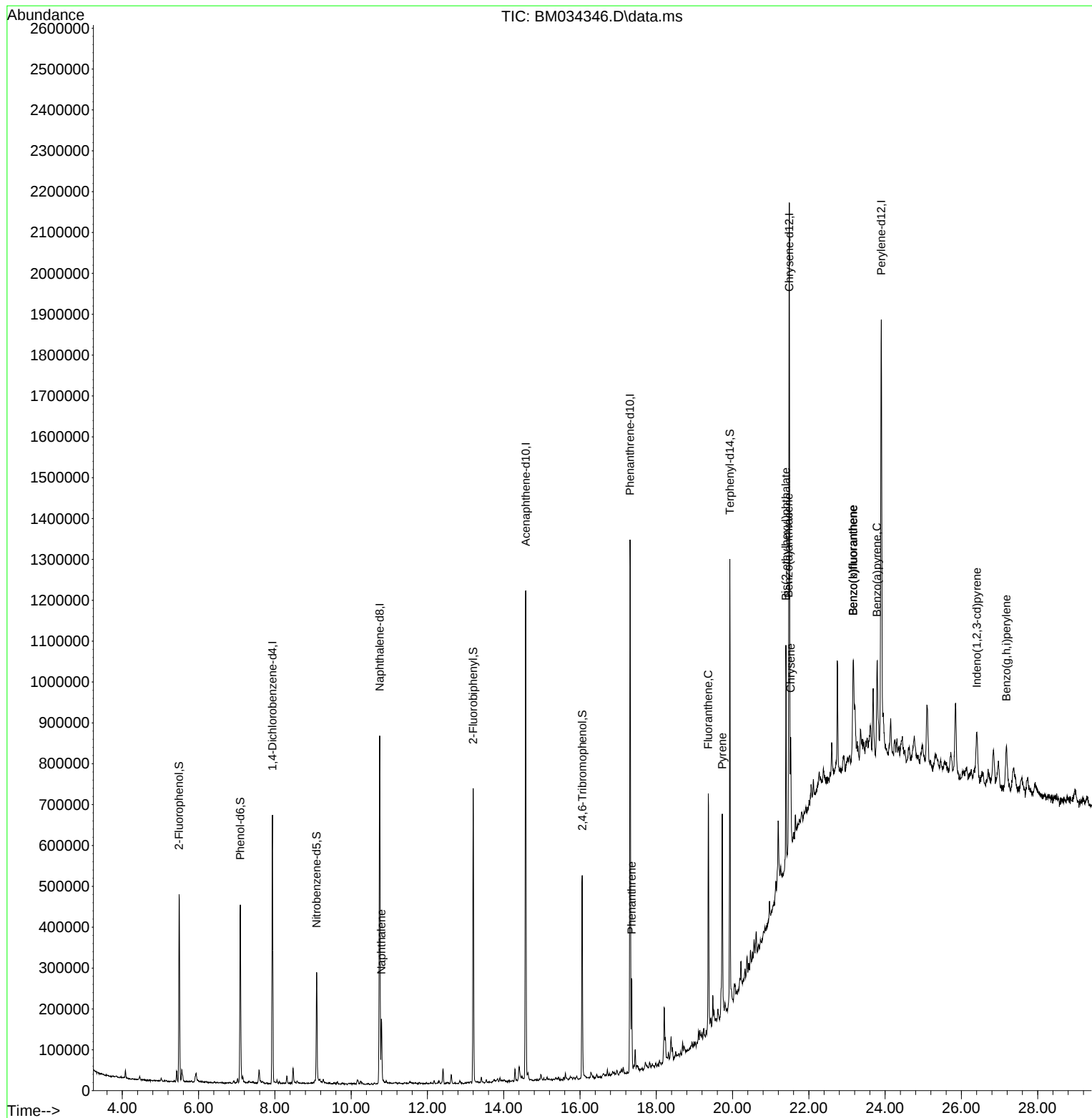
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	168746	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	677989	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	403303	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	771427	20.000	ng	0.00
76) Chrysene-d12	21.489	240	740111	20.000	ng	0.00
86) Perylene-d12	23.900	264	810788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	191496	20.358	ng	0.00
7) Phenol-d6	7.095	99	243522	18.082	ng	0.00
23) Nitrobenzene-d5	9.095	82	157752	11.328	ng	-0.01
42) 2,4,6-Tribromophenol	16.059	330	88262	16.237	ng	0.00
45) 2-Fluorobiphenyl	13.201	172	358379	12.143	ng	-0.01
79) Terphenyl-d14	19.930	244	509155	11.954	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.795	128	122506	3.468	ng	98
71) Phenanthrene	17.353	178	133132	3.082	ng	99
75) Fluoranthene	19.365	202	295827	6.108	ng	96
78) Pyrene	19.730	202	290925	5.579	ng	99
81) Benzo(a)anthracene	21.471	228	157589	3.374	ng	96
83) Chrysene	21.524	228	154472	3.238	ng	98
84) Bis(2-ethylhexyl)phtha...	21.400	149	170233	5.227	ng	98
87) Indeno(1,2,3-cd)pyrene	26.406	276	120217	2.305	ng	97
88) Benzo(b)fluoranthene	23.165	252	303583	6.262	ng	# 93
89) Benzo(k)fluoranthene	23.165	252	303583	5.911	ng	# 92
90) Benzo(a)pyrene	23.788	252	167163	4.067	ng	# 91
92) Benzo(g,h,i)perylene	27.182	276	135388	3.093	ng	95

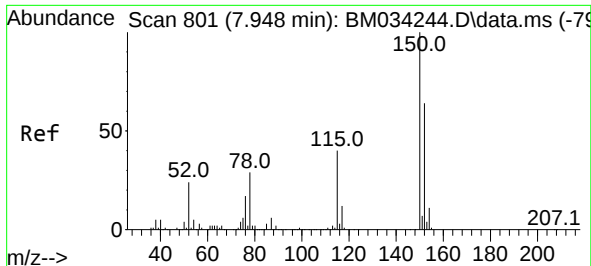
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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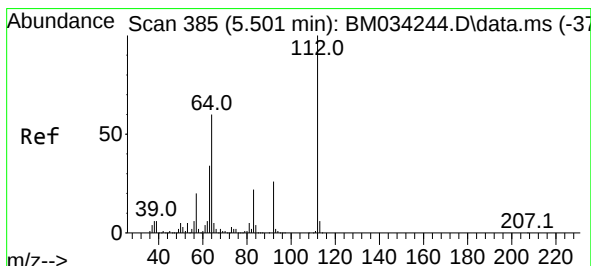
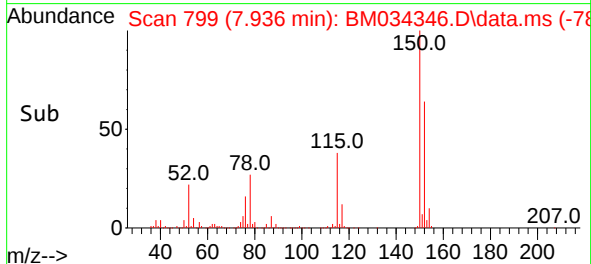
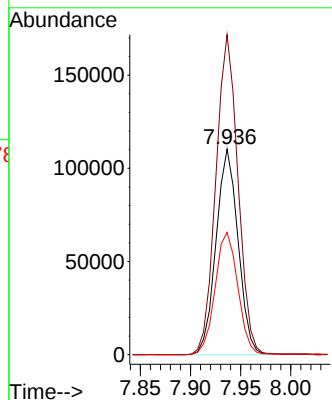
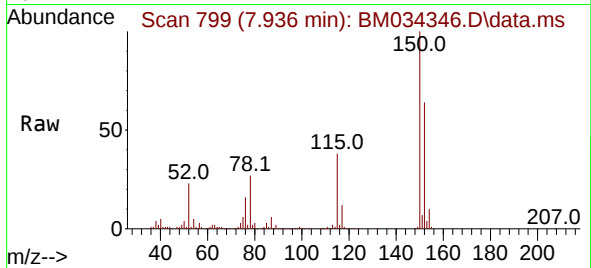




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

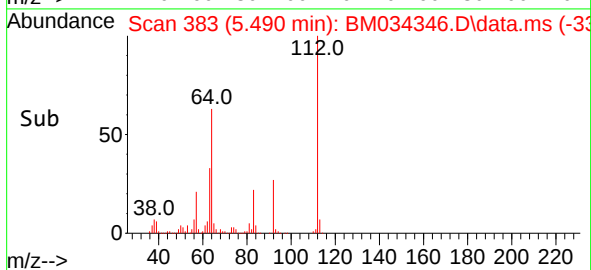
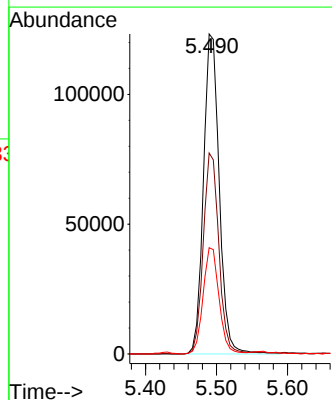
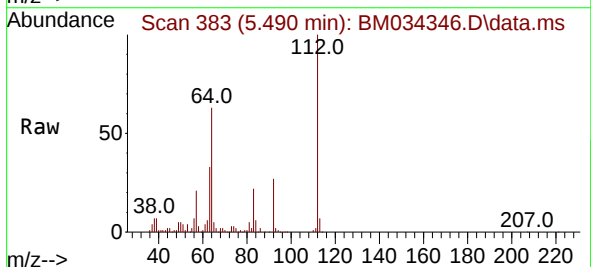
Instrument :
BNA_M
ClientSampleId :
C-1-0-1

Tgt Ion:152 Resp: 168746
Ion Ratio Lower Upper
152 100
150 155.6 125.4 188.2
115 59.6 50.1 75.1



#5
2-Fluorophenol
Concen: 20.358 ng
RT: 5.490 min Scan# 383
Delta R.T. -0.000 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:112 Resp: 191496
Ion Ratio Lower Upper
112 100
64 62.8 47.9 71.9
63 33.2 27.1 40.7

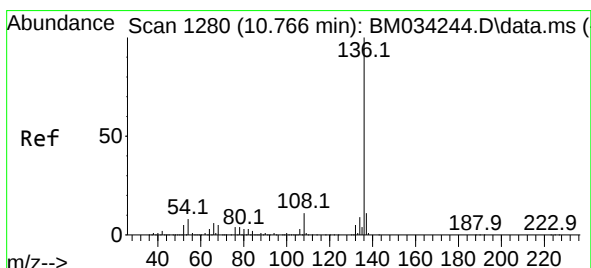
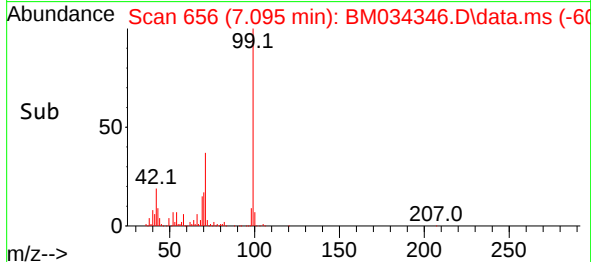
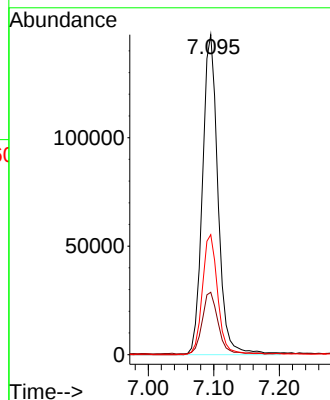
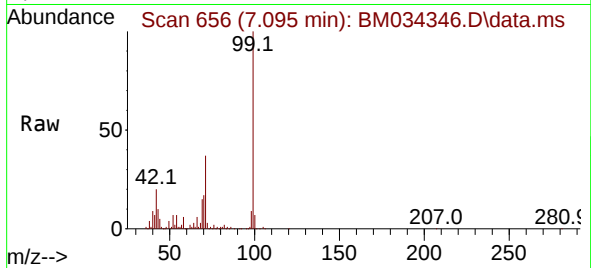




#7
Phenol-d6
Concen: 18.082 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

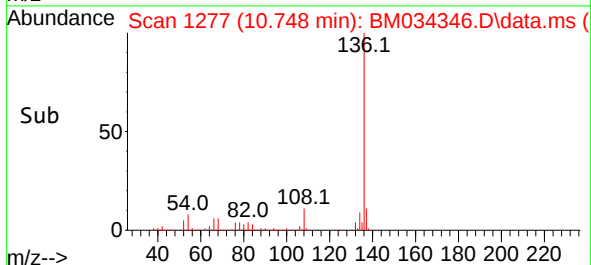
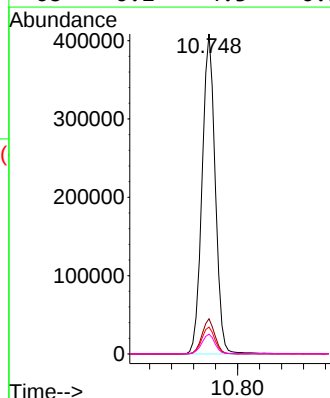
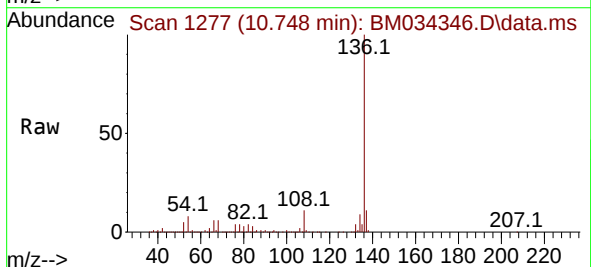
Instrument :
BNA_M
ClientSampleId :
C-1-0-1

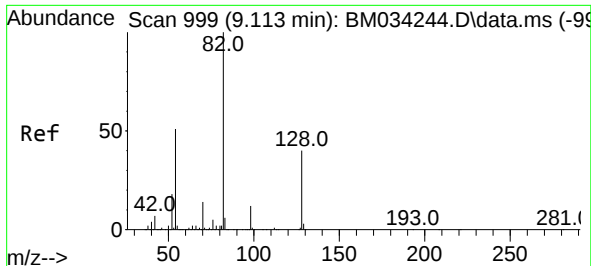
Tgt Ion:	99	Resp:	243522
Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.6	23.4
71	37.5	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:	136	Resp:	677989
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.4	6.2	9.4
68	6.2	4.3	6.5





#23

Nitrobenzene-d5

Concen: 11.328 ng

RT: 9.095 min Scan# 999

Delta R.T. -0.012 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

Instrument :

BNA_M

ClientSampleId :

C-1-0-1

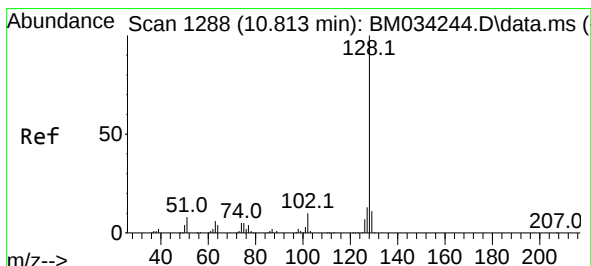
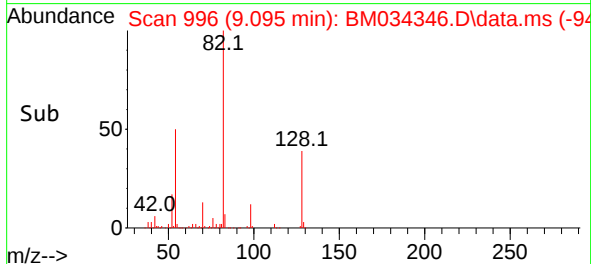
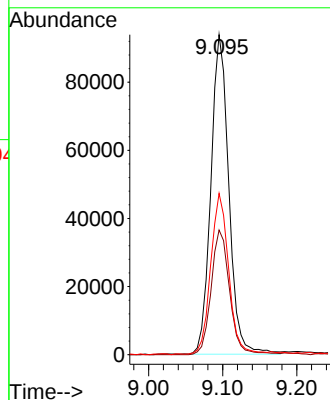
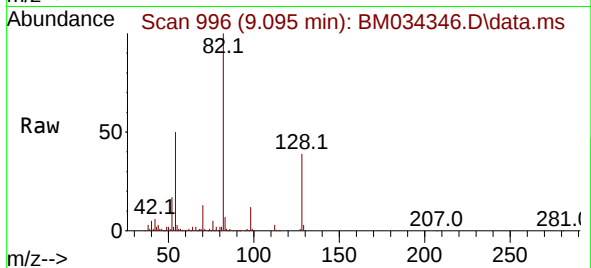
Tgt Ion: 82 Resp: 157752

Ion Ratio Lower Upper

82 100

128 38.9 31.9 47.9

54 50.4 40.6 61.0



#31

Naphthalene

Concen: 3.468 ng

RT: 10.795 min Scan# 1285

Delta R.T. -0.006 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

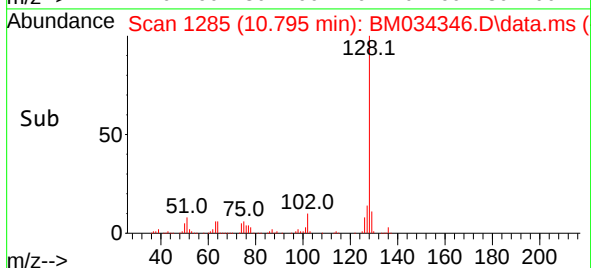
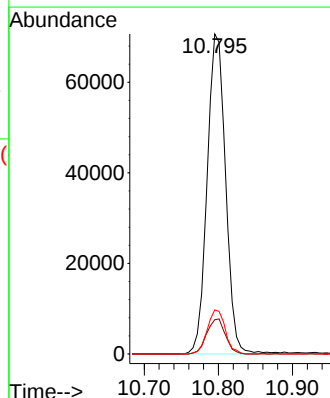
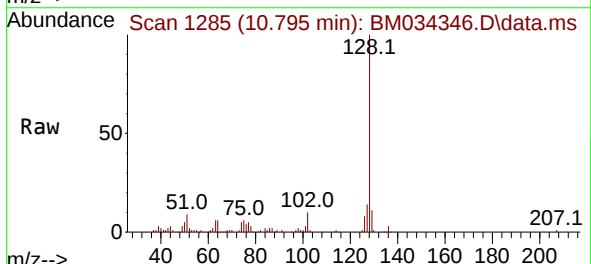
Tgt Ion: 128 Resp: 122506

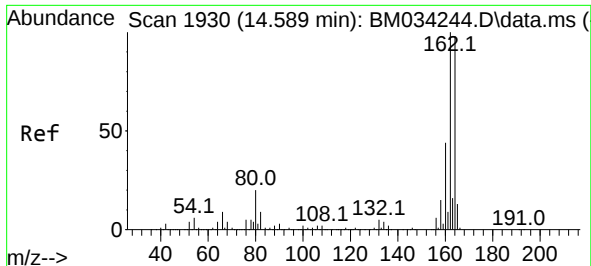
Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.8 10.2 15.4

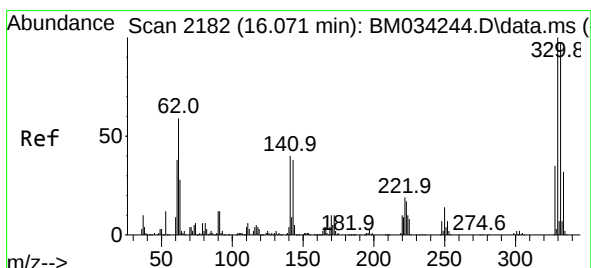
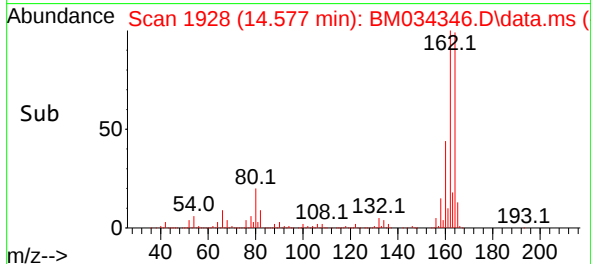
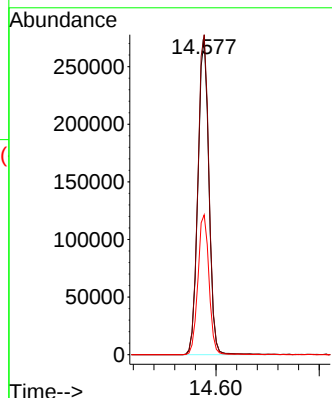
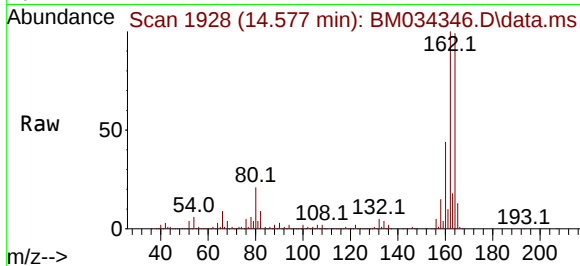




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

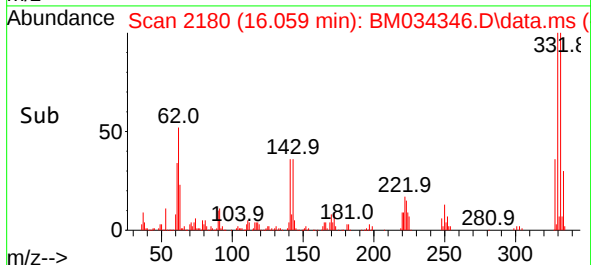
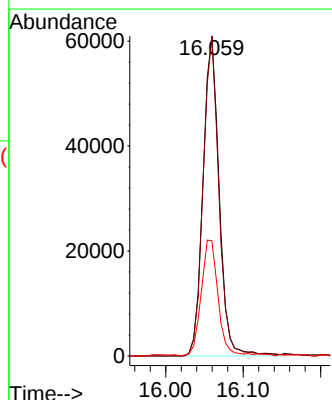
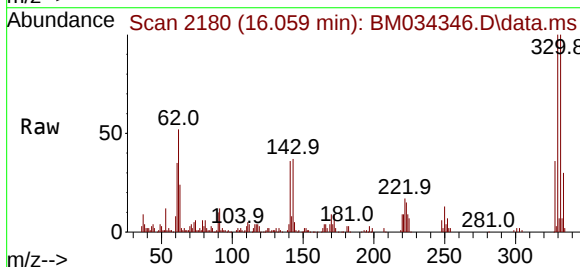
Instrument :
BNA_M
ClientSampleId :
C-1-0-1

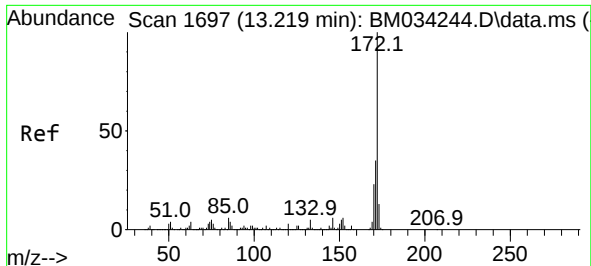
Tgt Ion:164 Resp: 403303
Ion Ratio Lower Upper
164 100
162 101.4 81.6 122.4
160 44.3 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 16.237 ng
RT: 16.059 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:330 Resp: 88262
Ion Ratio Lower Upper
330 100
332 97.9 78.2 117.4
141 38.4 30.6 45.8

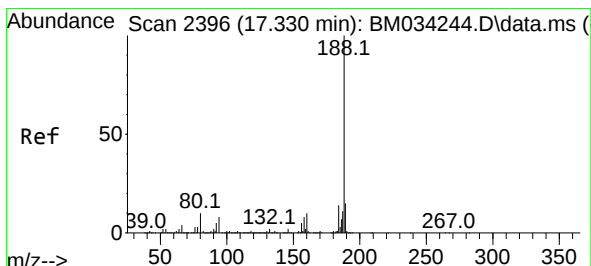
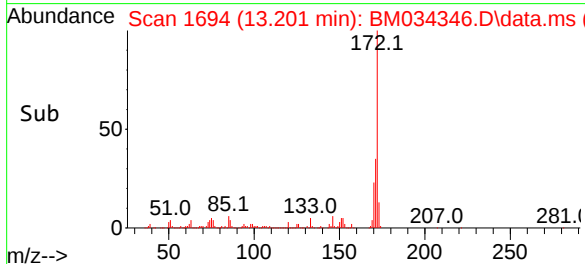
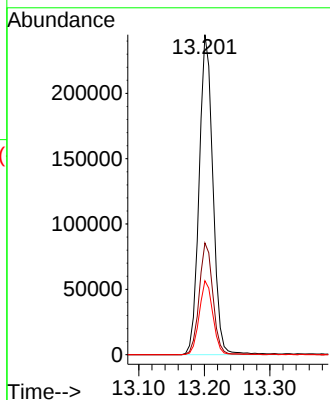
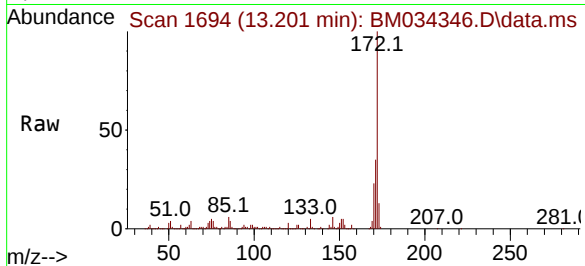




#45
2-Fluorobiphenyl
Concen: 12.143 ng
RT: 13.201 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

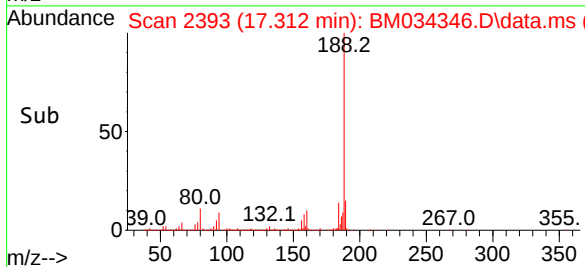
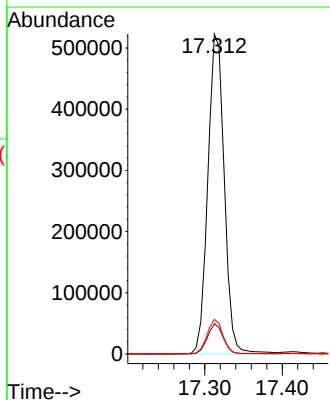
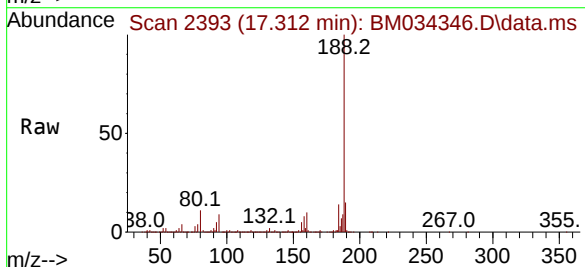
Instrument :
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ClientSampleId :
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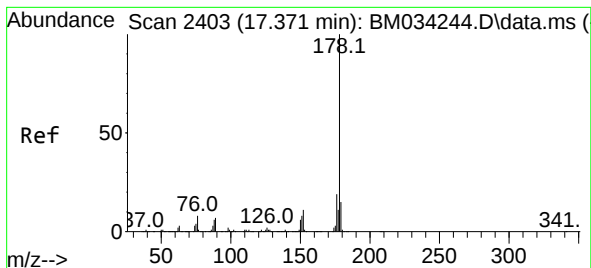
Tgt Ion:172 Resp: 358379
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.1 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:188 Resp: 771427
Ion Ratio Lower Upper
188 100
94 9.4 6.6 9.8
80 10.8 7.8 11.8





#71

Phenanthrene

Concen: 3.082 ng

RT: 17.353 min Scan# 2400

Delta R.T. -0.012 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

Instrument :

BNA_M

ClientSampleId :

C-1-0-1

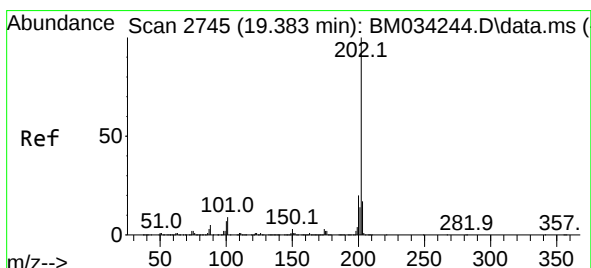
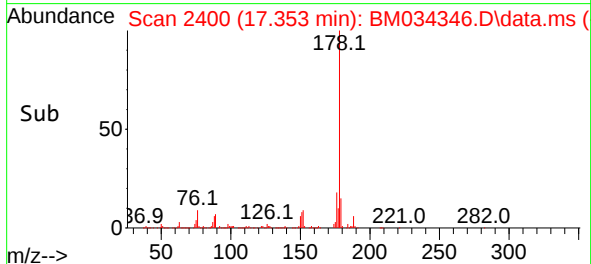
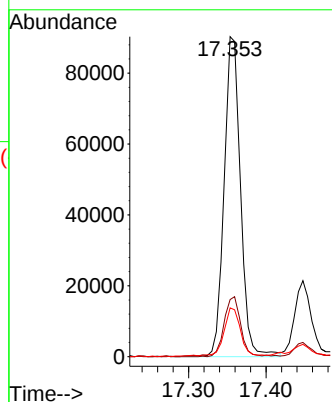
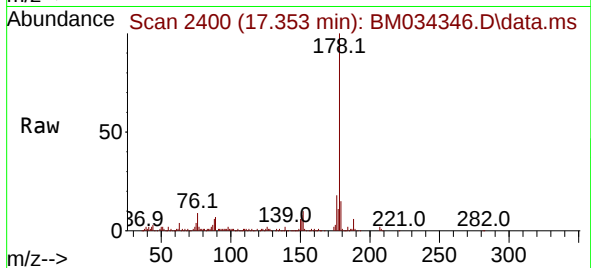
Tgt Ion:178 Resp: 133132

Ion Ratio Lower Upper

178 100

176 17.9 15.1 22.7

179 15.3 12.2 18.4



#75

Fluoranthene

Concen: 6.108 ng

RT: 19.365 min Scan# 2742

Delta R.T. -0.012 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

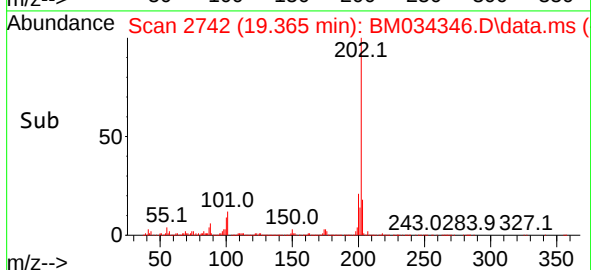
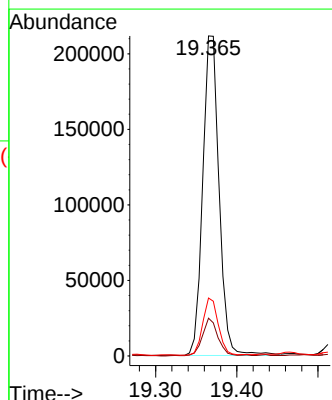
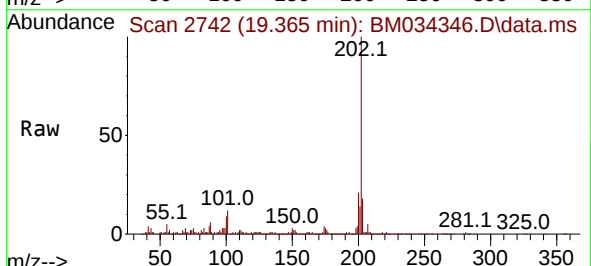
Tgt Ion:202 Resp: 295827

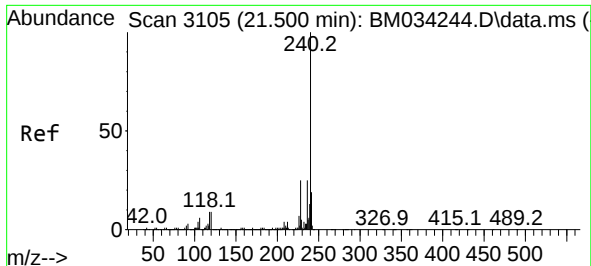
Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.4

203 18.1 0.0 37.1

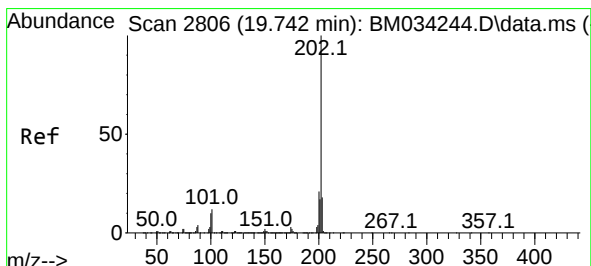
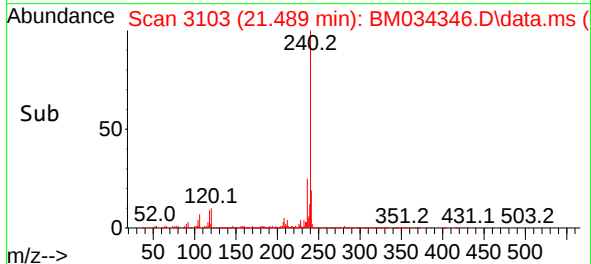
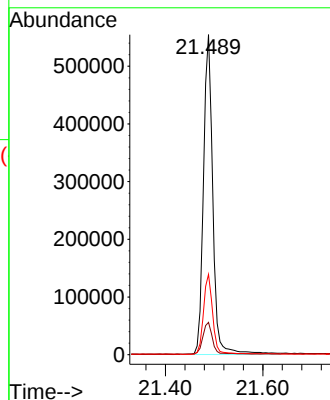
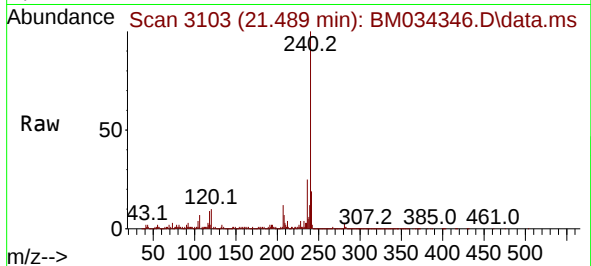




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

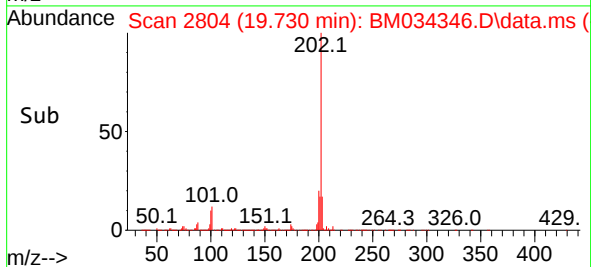
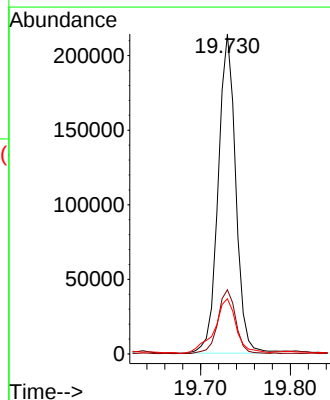
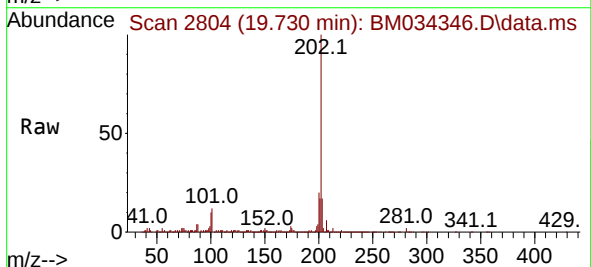
Instrument :
BNA_M
ClientSampleId :
C-1-0-1

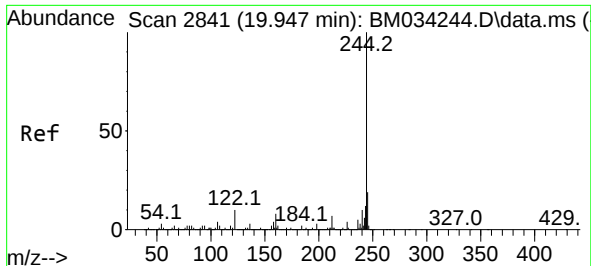
Tgt Ion:240 Resp: 740111
Ion Ratio Lower Upper
240 100
120 10.1 7.3 10.9
236 25.1 20.2 30.2



#78
Pyrene
Concen: 5.579 ng
RT: 19.730 min Scan# 2804
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:202 Resp: 290925
Ion Ratio Lower Upper
202 100
200 20.0 16.6 24.8
203 17.3 14.1 21.1

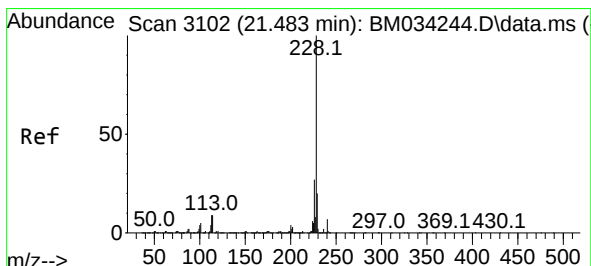
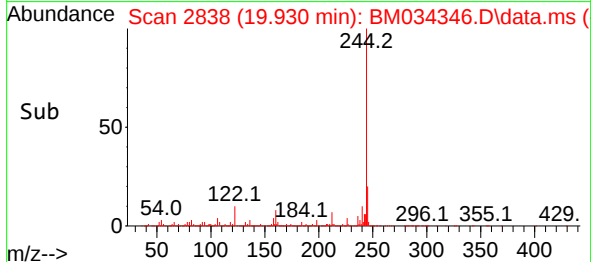
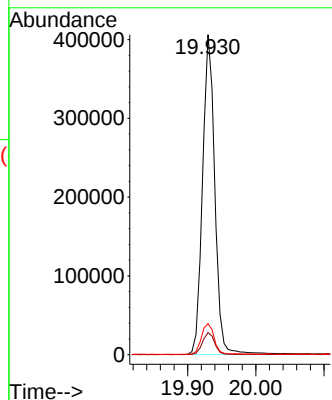
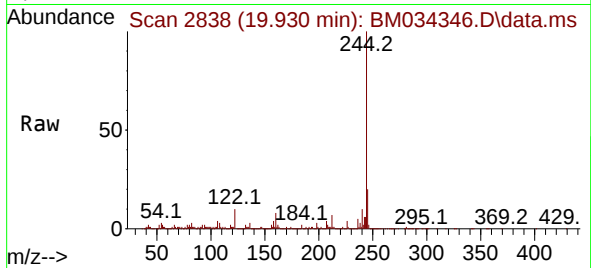




#79
 Terphenyl-d14
 Concen: 11.954 ng
 RT: 19.930 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034346.D
 Acq: 23 Mar 2022 19:33

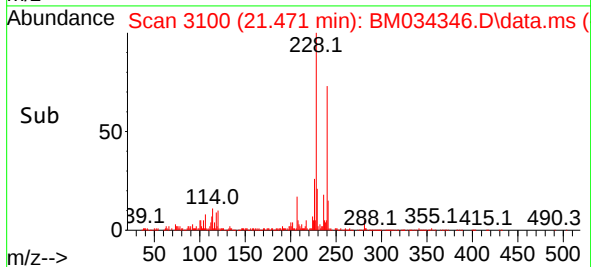
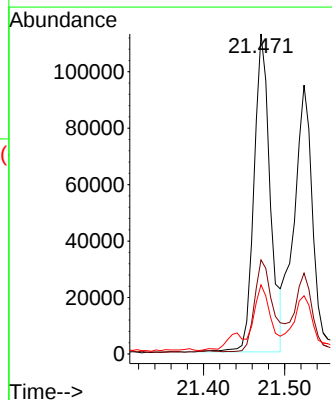
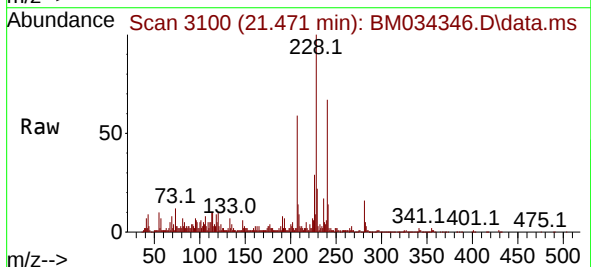
Instrument :
 BNA_M
 ClientSampleId :
 C-1-0-1

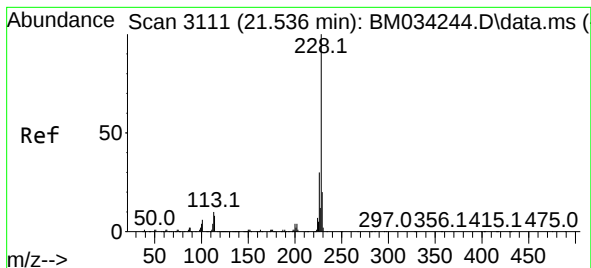
Tgt Ion:244 Resp: 509155
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.7 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.374 ng
 RT: 21.471 min Scan# 3100
 Delta R.T. -0.006 min
 Lab File: BM034346.D
 Acq: 23 Mar 2022 19:33

Tgt Ion:228 Resp: 157589
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 3.238 ng

RT: 21.524 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

Instrument :

BNA_M

ClientSampleId :

C-1-0-1

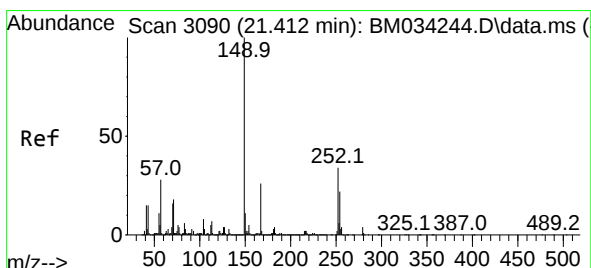
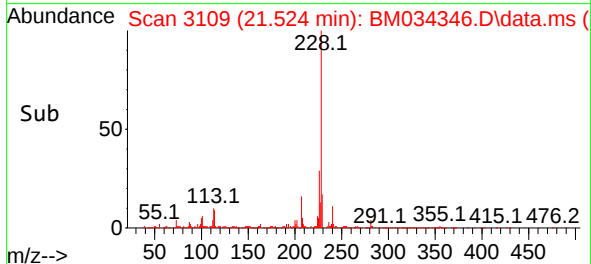
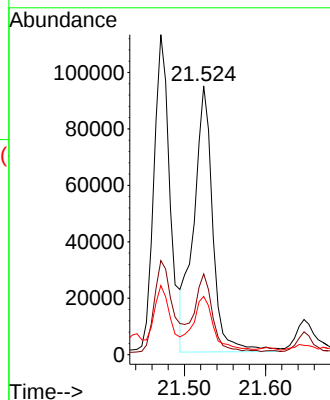
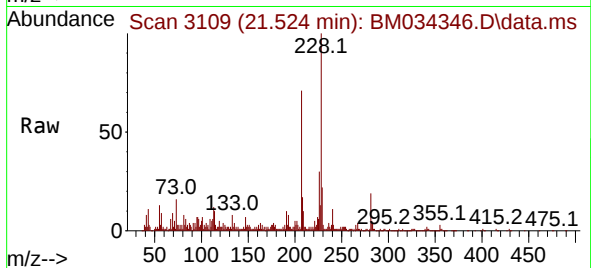
Tgt Ion:228 Resp: 154472

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

229 21.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.227 ng

RT: 21.400 min Scan# 3088

Delta R.T. -0.006 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

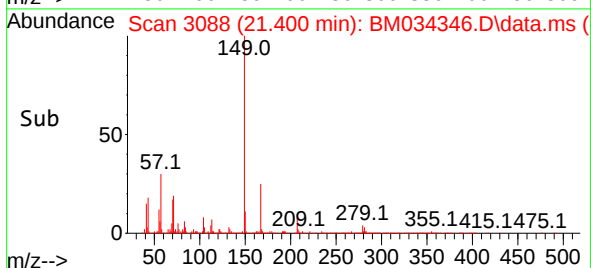
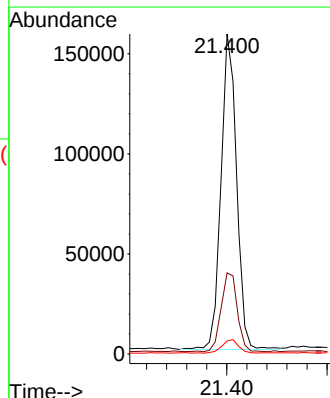
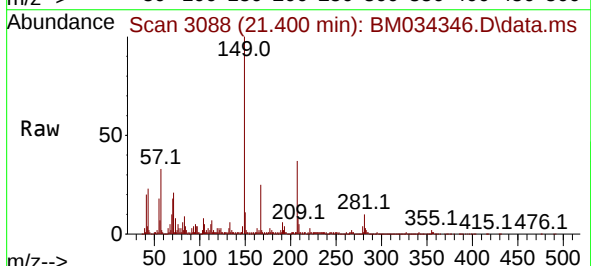
Tgt Ion:149 Resp: 170233

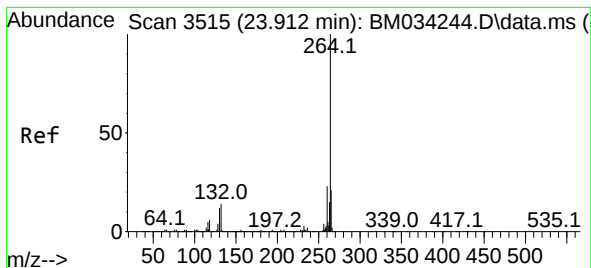
Ion Ratio Lower Upper

149 100

167 25.4 21.2 31.8

279 4.1 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.900 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

Instrument :

BNA_M

ClientSampleId :

C-1-0-1

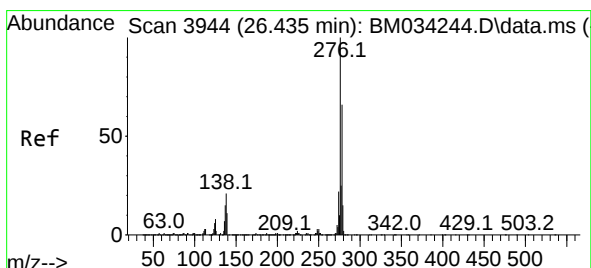
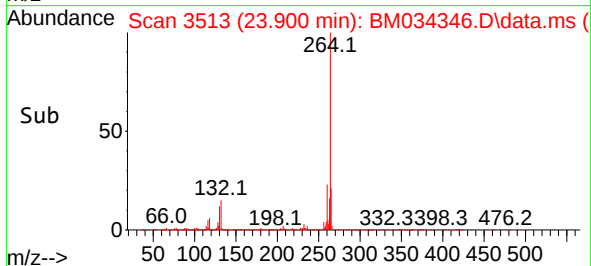
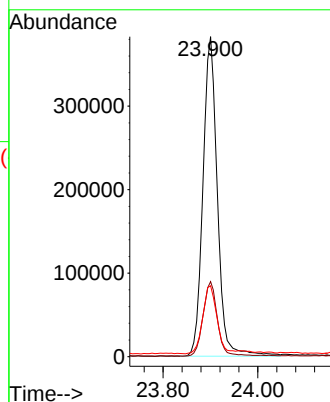
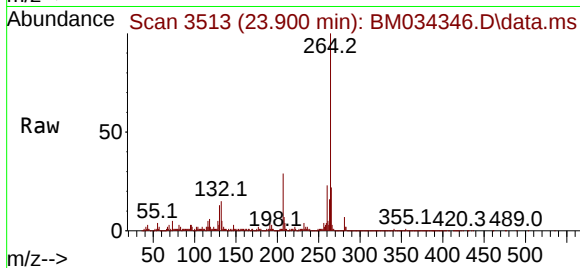
Tgt Ion:264 Resp: 810788

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.1 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.305 ng

RT: 26.406 min Scan# 3939

Delta R.T. -0.018 min

Lab File: BM034346.D

Acq: 23 Mar 2022 19:33

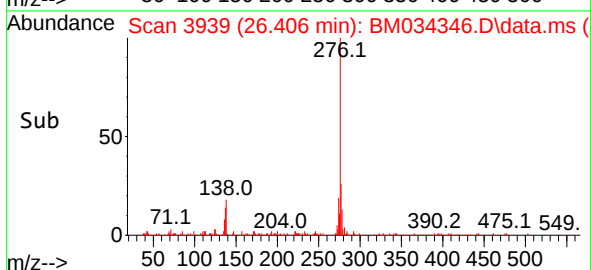
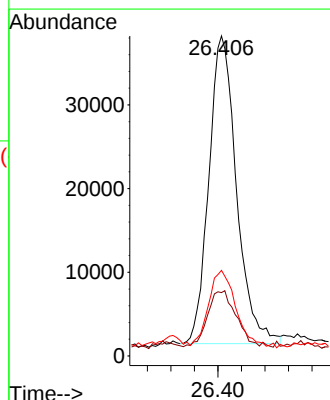
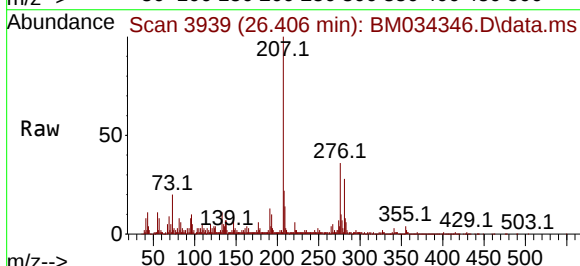
Tgt Ion:276 Resp: 120217

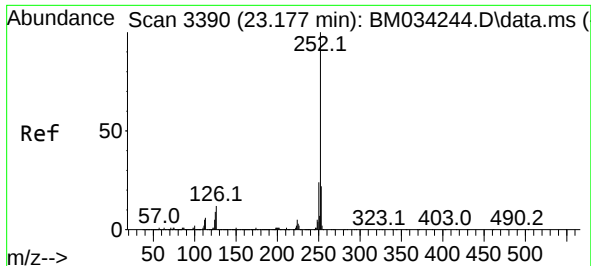
Ion Ratio Lower Upper

276 100

138 18.9 16.6 25.0

277 23.4 19.8 29.6

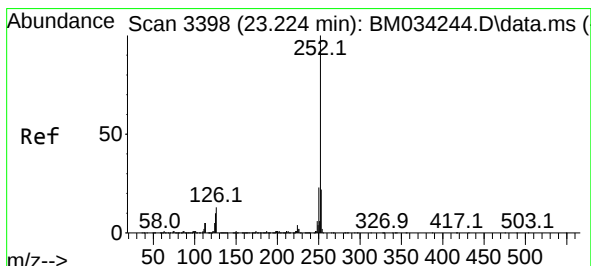
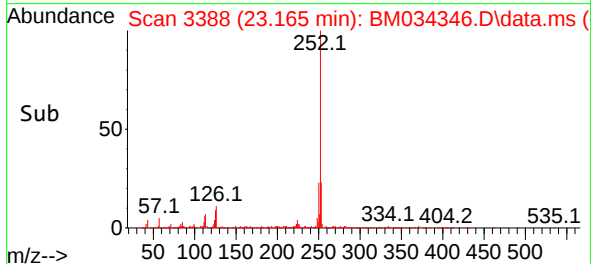
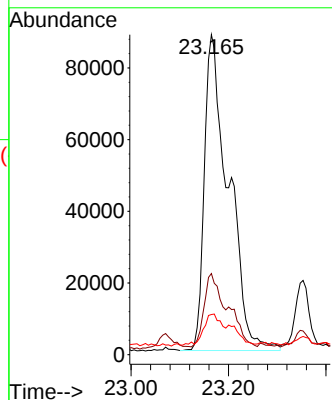
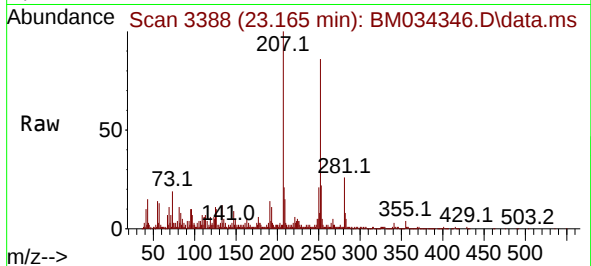




#88
Benzo(b)fluoranthene
Concen: 6.262 ng
RT: 23.165 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

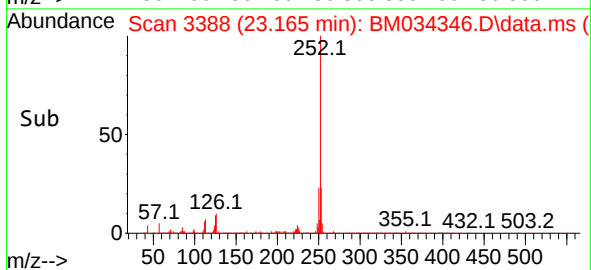
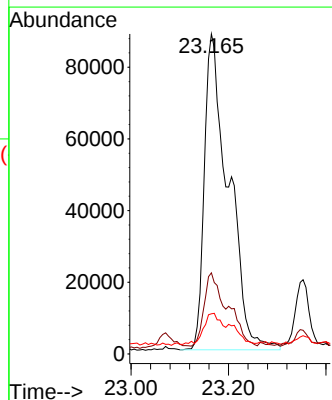
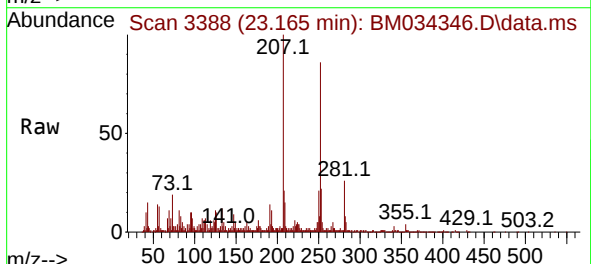
Instrument :
BNA_M
ClientSampleId :
C-1-0-1

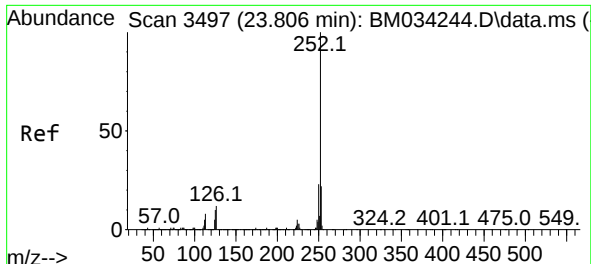
Tgt Ion:252 Resp: 303583
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 12.6 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 5.911 ng
RT: 23.165 min Scan# 3388
Delta R.T. -0.059 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:252 Resp: 303583
Ion Ratio Lower Upper
252 100
253 25.3 17.6 26.4
125 12.6 7.5 11.3#

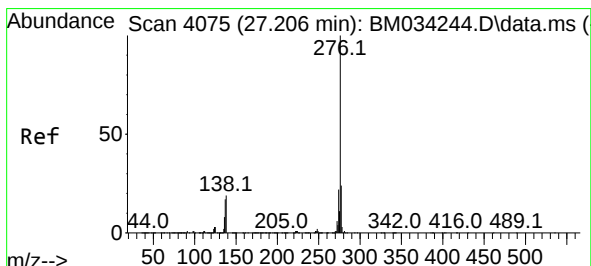
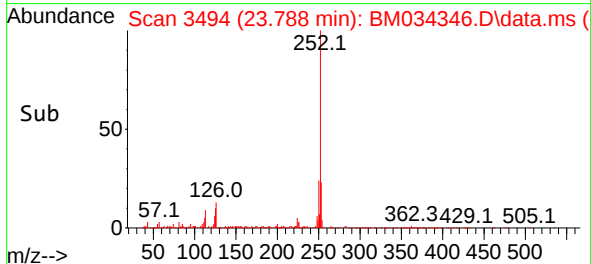
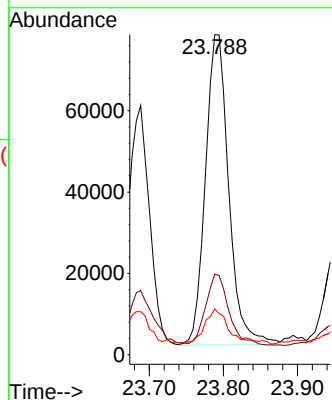
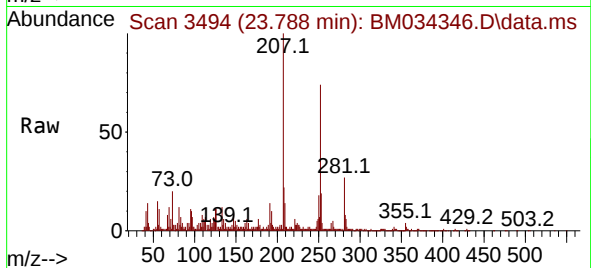




#90
Benzo(a)pyrene
Concen: 4.067 ng
RT: 23.788 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Instrument :
BNA_M
ClientSampleId :
C-1-0-1

Tgt Ion:252 Resp: 167163
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 14.3 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 3.093 ng
RT: 27.182 min Scan# 4071
Delta R.T. -0.018 min
Lab File: BM034346.D
Acq: 23 Mar 2022 19:33

Tgt Ion:276 Resp: 135388
Ion Ratio Lower Upper
276 100
277 27.7 19.0 28.4
138 19.3 15.6 23.4

