

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034355.D
 Acq On : 24 Mar 2022 00:57
 Operator : CG/JU
 Sample : N1958-09 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-9-8-9

Quant Time: Mar 24 02:44:23 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)

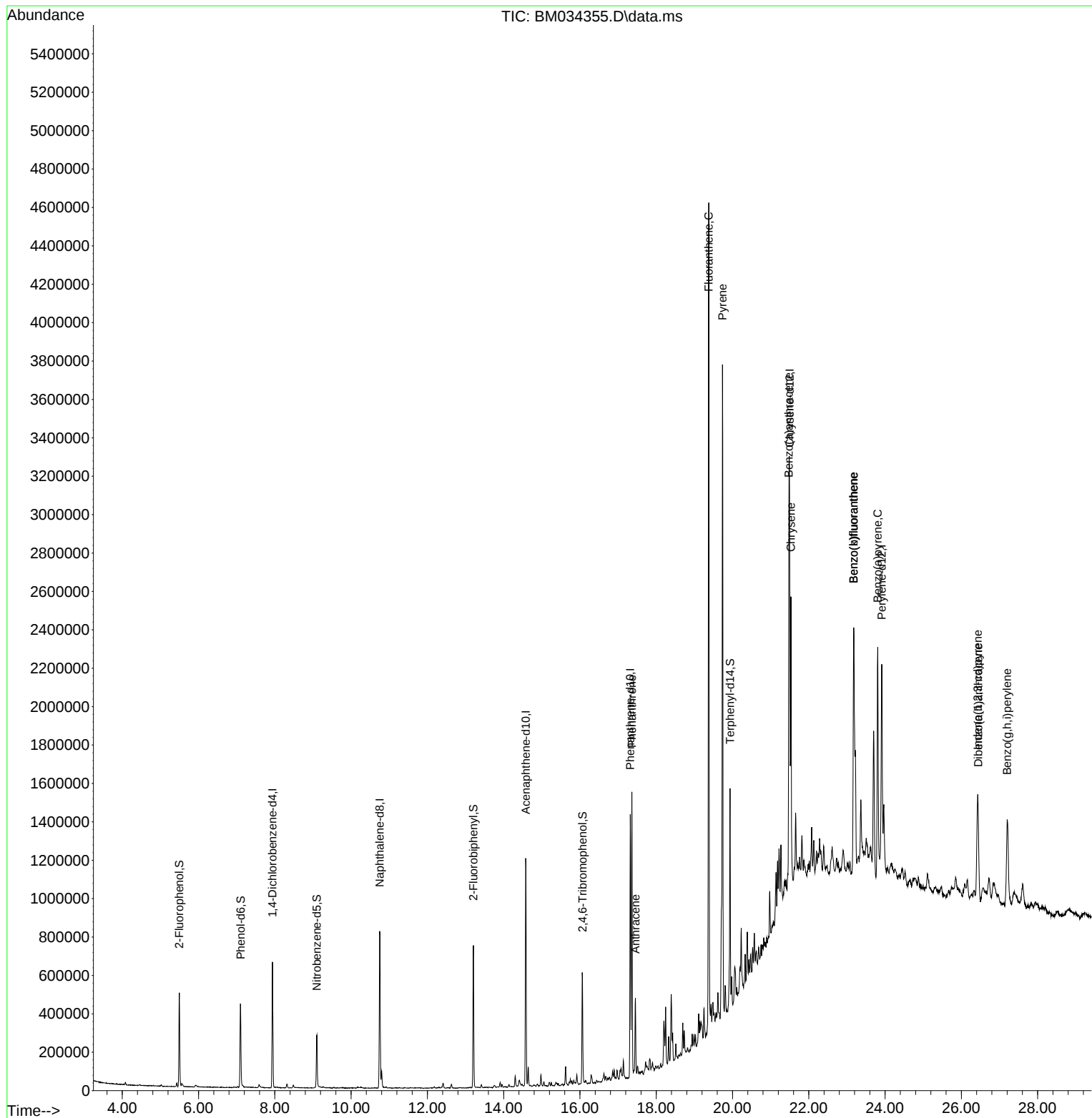
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	169299	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	671889	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	402528	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	770299	20.000	ng	0.00
76) Chrysene-d12	21.495	240	727480	20.000	ng	0.00
86) Perylene-d12	23.912	264	812386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	201518	21.354	ng	0.00
7) Phenol-d6	7.101	99	253619	18.770	ng	0.00
23) Nitrobenzene-d5	9.101	82	168716	12.226	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	97224	17.920	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	365831	12.419	ng	0.00
79) Terphenyl-d14	19.936	244	489274	11.686	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.360	178	867201	20.103	ng	99
72) Anthracene	17.454	178	241245	5.746	ng	99
75) Fluoranthene	19.377	202	2230722	46.128	ng	99
78) Pyrene	19.736	202	1994642	38.916	ng	99
81) Benzo(a)anthracene	21.477	228	928056	20.212	ng	98
83) Chrysene	21.530	228	842391	17.966	ng	97
87) Indeno(1,2,3-cd)pyrene	26.430	276	599231	11.466	ng	98
88) Benzo(b)fluoranthene	23.177	252	1552482	31.958	ng	97
89) Benzo(k)fluoranthene	23.177	252	1552482	30.168	ng	97
90) Benzo(a)pyrene	23.806	252	874494	21.235	ng	98
91) Dibenzo(a,h)anthracene	26.441	278	145446	3.432	ng	# 91
92) Benzo(g,h,i)perylene	27.200	276	622652	14.196	ng	99

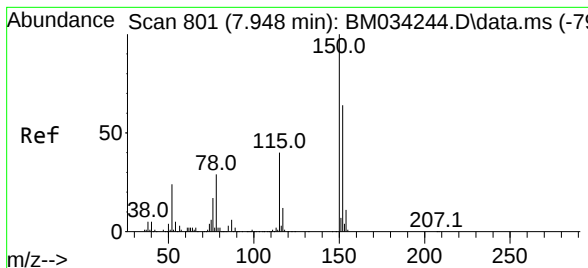
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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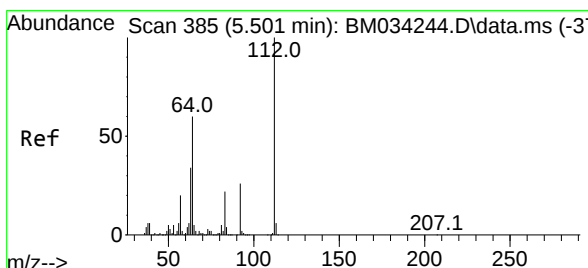
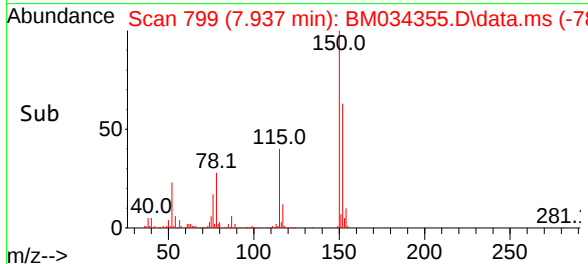
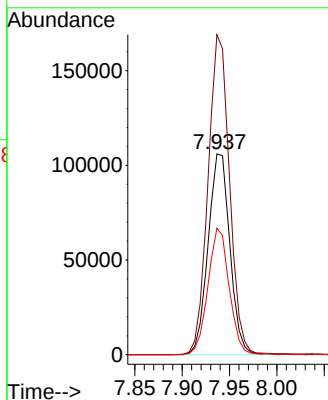
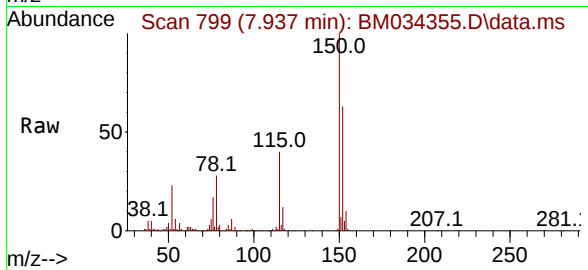




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 799
Delta R.T. -0.005 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

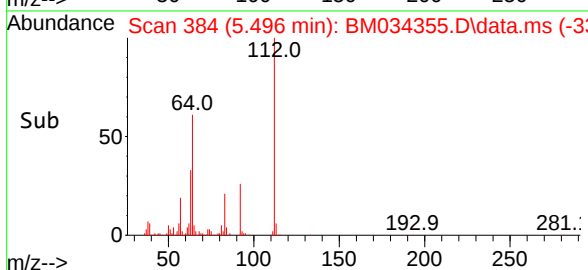
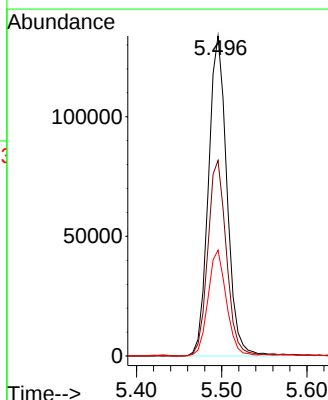
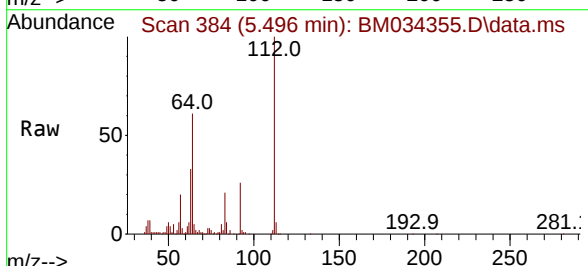
Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Tgt Ion:152 Resp: 169299
Ion Ratio Lower Upper
152 100
150 159.3 125.4 188.2
115 63.0 50.1 75.1



#5
2-Fluorophenol
Concen: 21.354 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

Tgt Ion:112 Resp: 201518
Ion Ratio Lower Upper
112 100
64 61.1 47.9 71.9
63 33.1 27.1 40.7

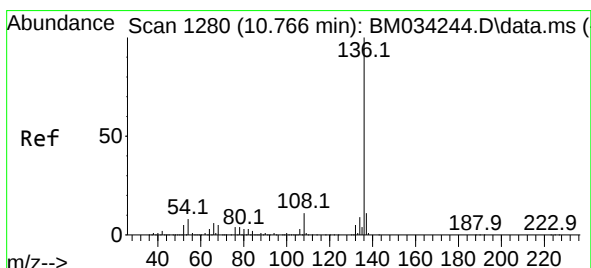
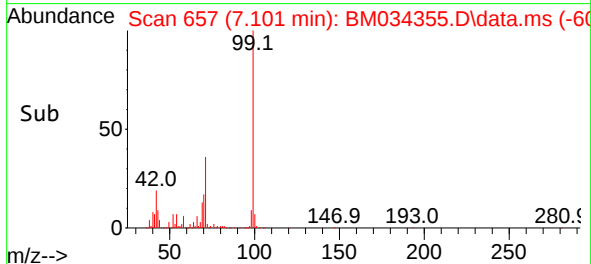
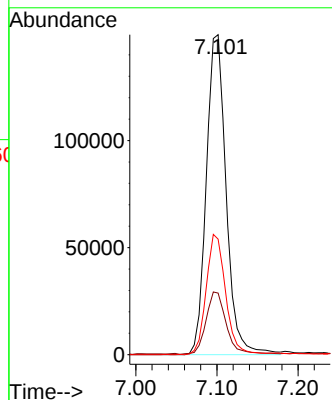
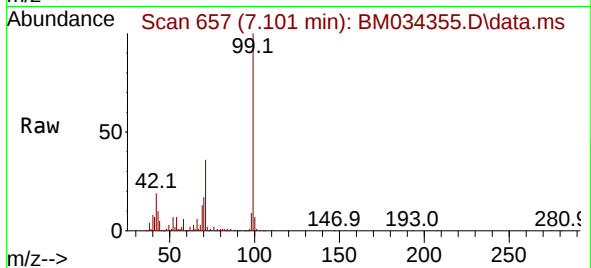




#7
Phenol-d6
Concen: 18.770 ng
RT: 7.101 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

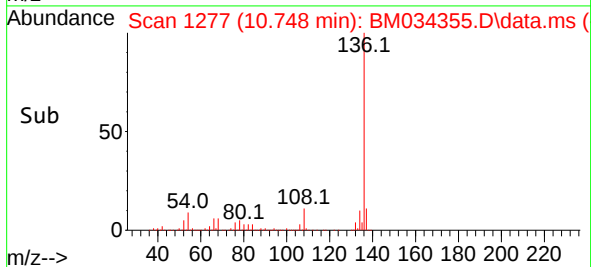
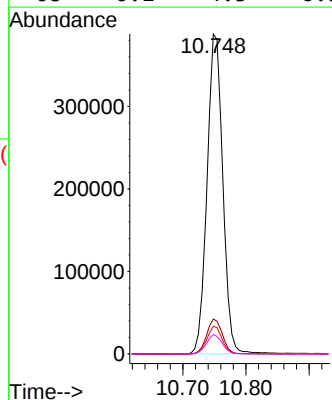
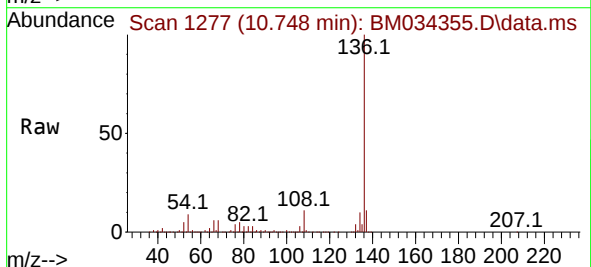
Instrument :
BNA_M
ClientSampleId :
C-9-8-9

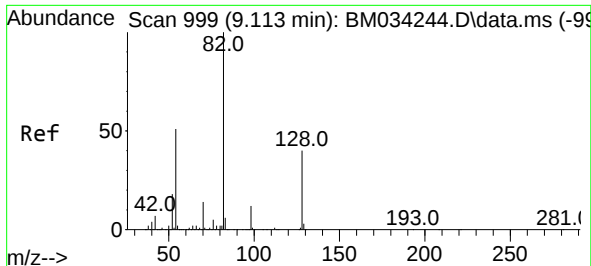
Tgt Ion: 99 Resp: 253619
Ion Ratio Lower Upper
99 100
42 19.2 15.6 23.4
71 36.1 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

Tgt Ion: 136 Resp: 671889
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 6.2 9.4
68 6.1 4.3 6.5

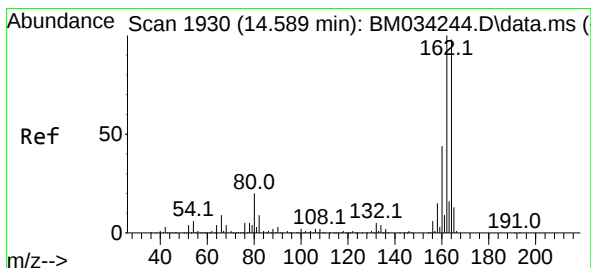
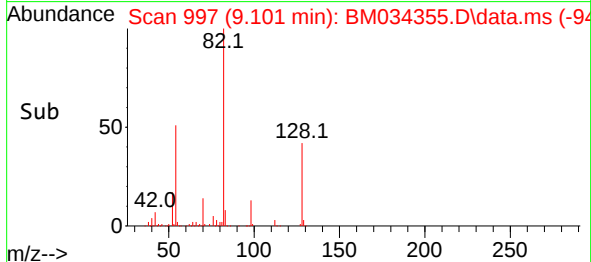
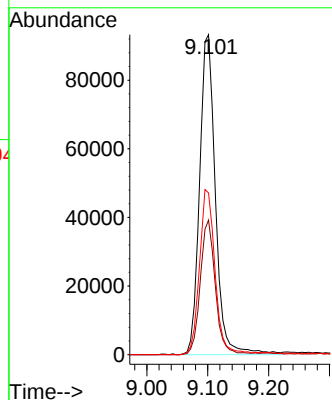
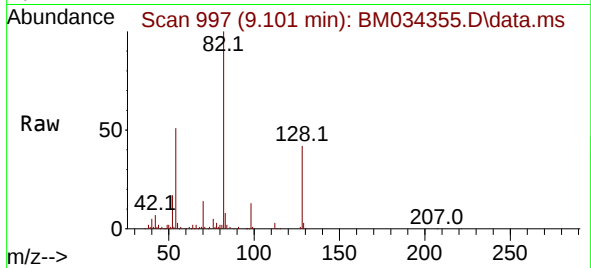




#23
Nitrobenzene-d5
Concen: 12.226 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

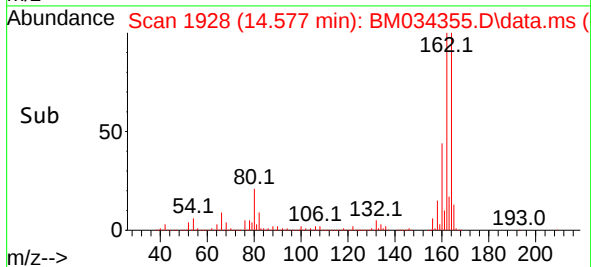
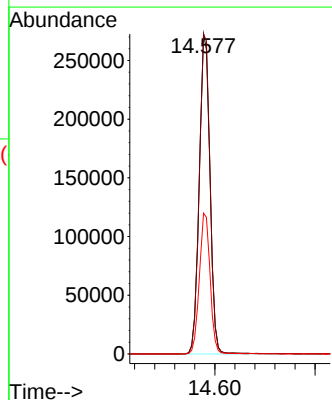
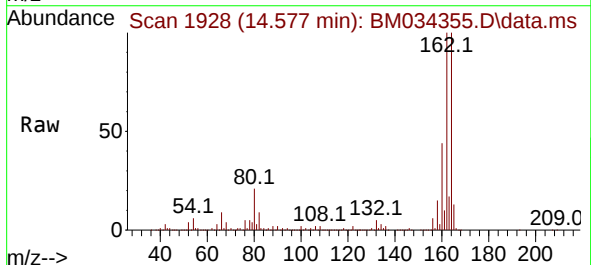
Instrument :
BNA_M
ClientSampleId :
C-9-8-9

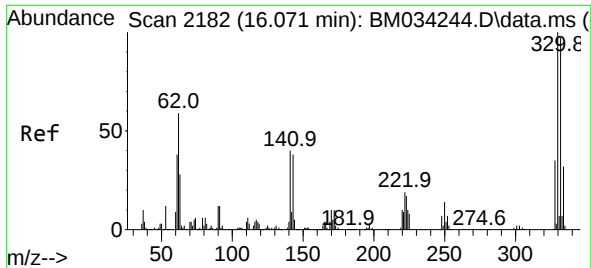
Tgt Ion: 82 Resp: 168716
Ion Ratio Lower Upper
82 100
128 42.1 31.9 47.9
54 50.5 40.6 61.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

Tgt Ion: 164 Resp: 402528
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 44.0 35.6 53.4

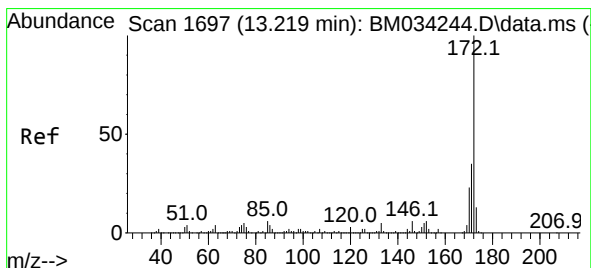
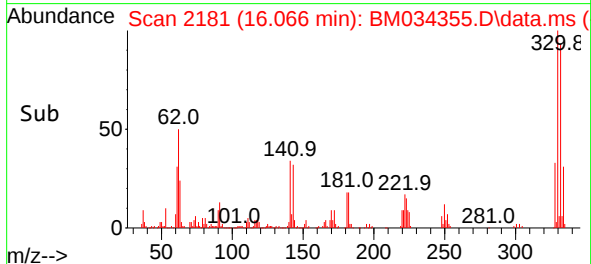
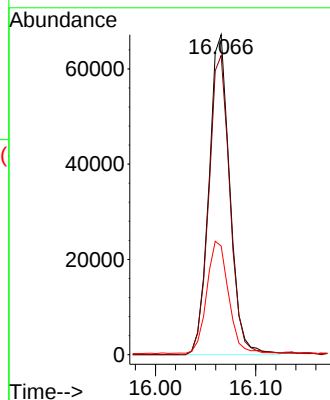
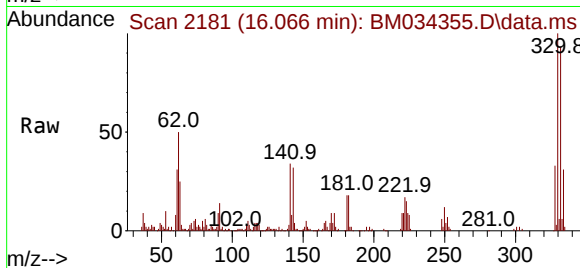




#42
2,4,6-Tribromophenol
Concen: 17.920 ng
RT: 16.066 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

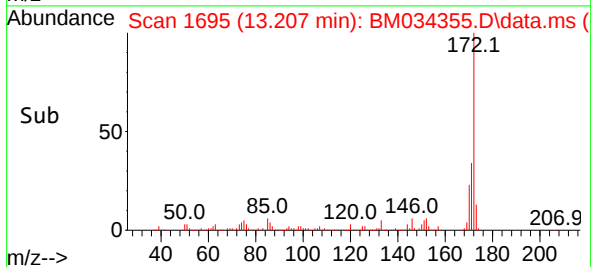
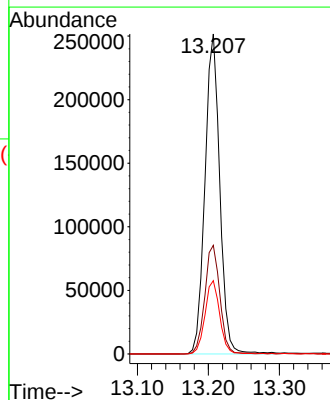
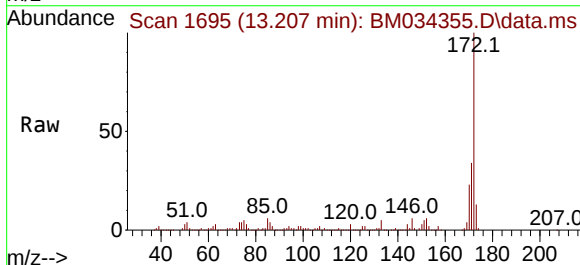
Instrument :
BNA_M
ClientSampleId :
C-9-8-9

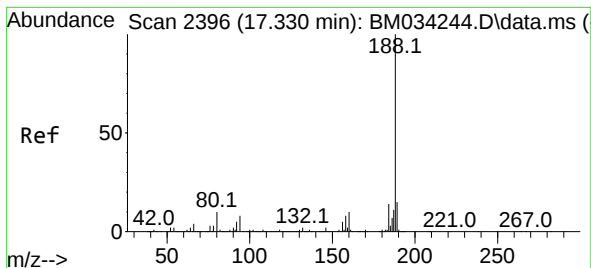
Tgt Ion:330 Resp: 97224
Ion Ratio Lower Upper
330 100
332 95.7 78.2 117.4
141 36.2 30.6 45.8



#45
2-Fluorobiphenyl
Concen: 12.419 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

Tgt Ion:172 Resp: 365831
Ion Ratio Lower Upper
172 100
171 34.0 28.0 42.0
170 22.9 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.318 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

Instrument :

BNA_M

ClientSampleId :

C-9-8-9

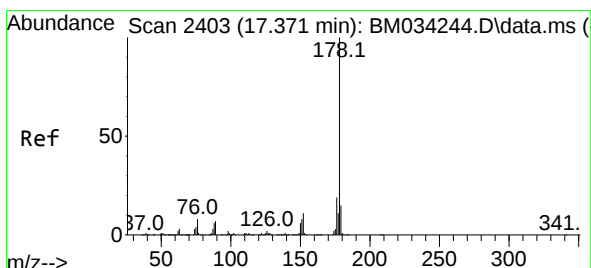
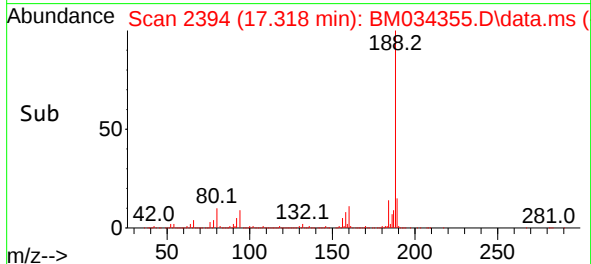
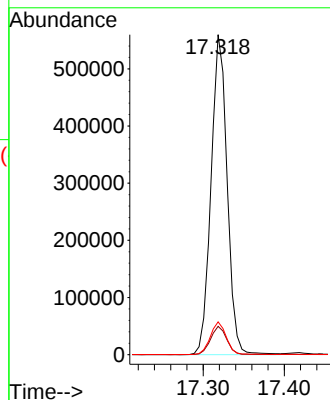
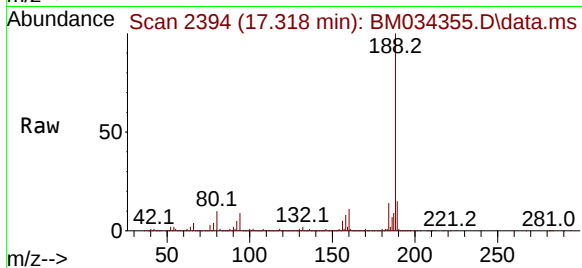
Tgt Ion:188 Resp: 770299

Ion Ratio Lower Upper

188 100

94 8.9 6.6 9.8

80 10.3 7.8 11.8



#71

Phenanthrene

Concen: 20.103 ng

RT: 17.360 min Scan# 2401

Delta R.T. -0.006 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

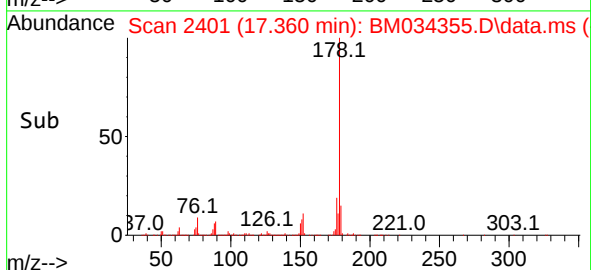
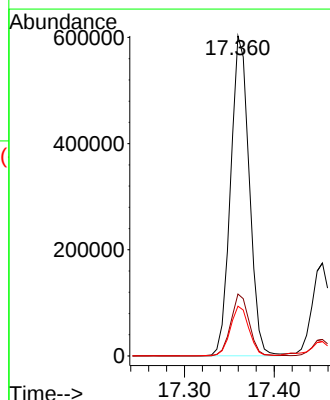
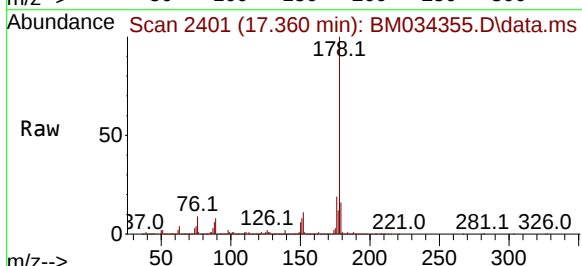
Tgt Ion:178 Resp: 867201

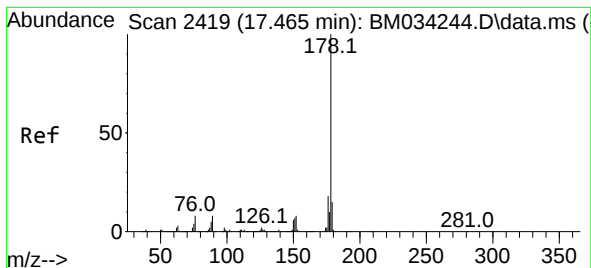
Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.5 12.2 18.4





#72

Anthracene

Concen: 5.746 ng

RT: 17.454 min Scan# 241

Delta R.T. 0.000 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

Instrument :

BNA_M

ClientSampleId :

C-9-8-9

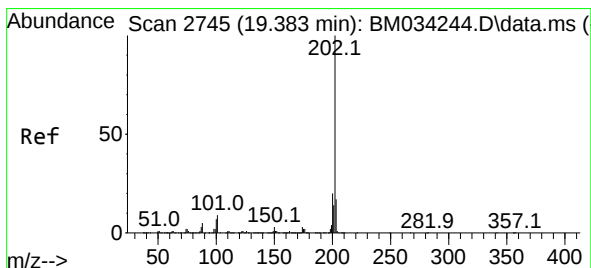
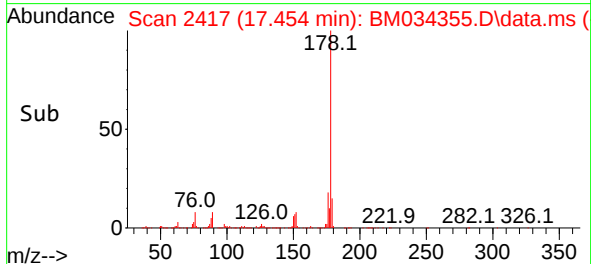
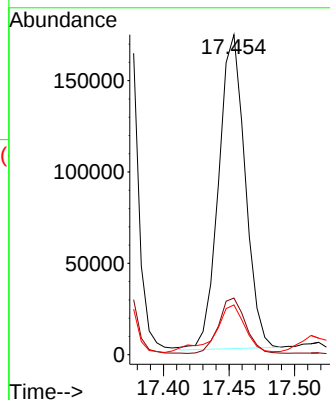
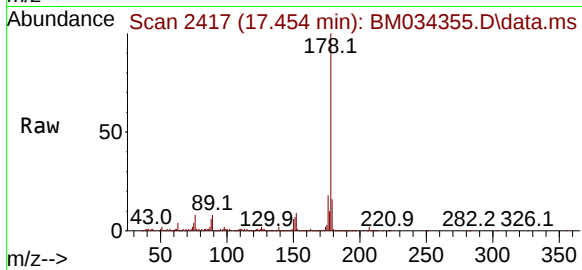
Tgt Ion:178 Resp: 241245

Ion Ratio Lower Upper

178 100

176 17.7 14.6 22.0

179 15.6 12.2 18.2



#75

Fluoranthene

Concen: 46.128 ng

RT: 19.377 min Scan# 2744

Delta R.T. 0.000 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

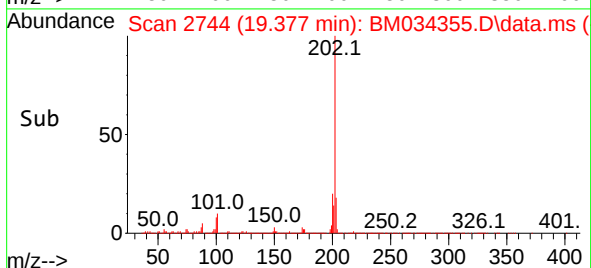
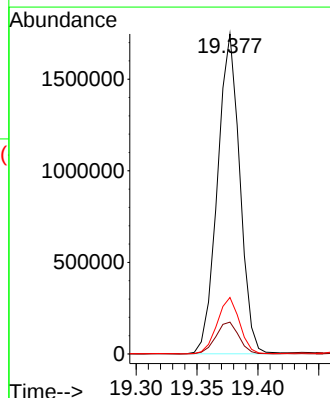
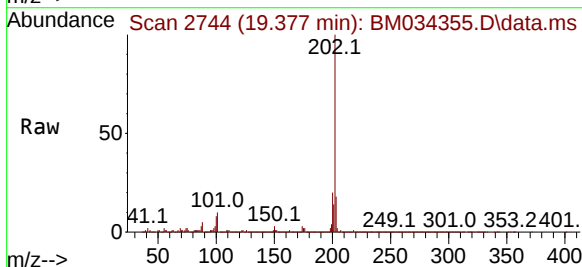
Tgt Ion:202 Resp: 2230722

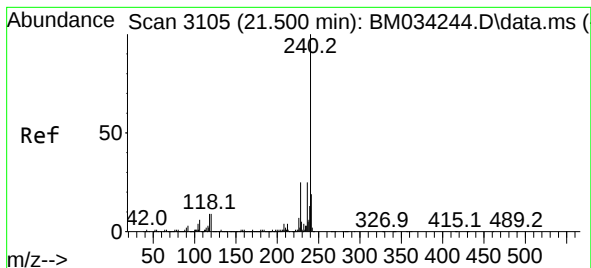
Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.4

203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

Instrument :

BNA_M

ClientSampleId :

C-9-8-9

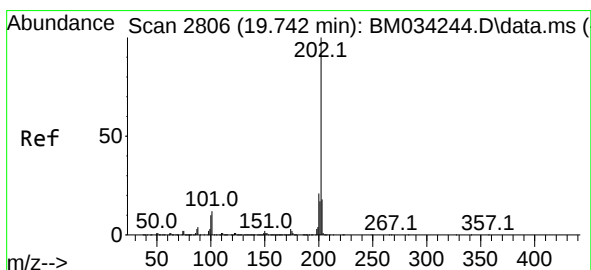
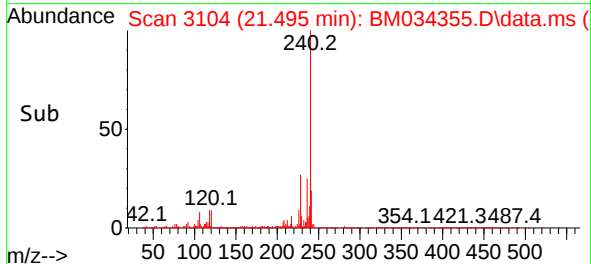
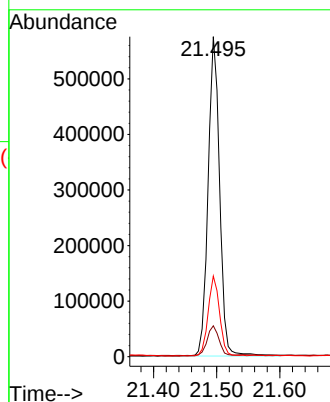
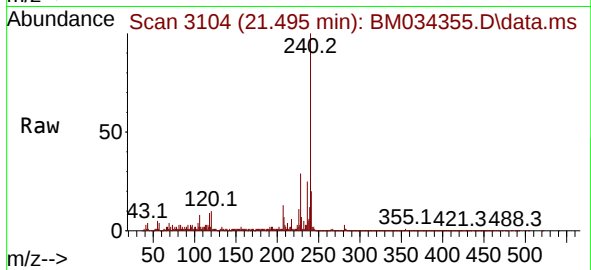
Tgt Ion:240 Resp: 727480

Ion Ratio Lower Upper

240 100

120 9.6 7.3 10.9

236 25.2 20.2 30.2



#78

Pyrene

Concen: 38.916 ng

RT: 19.736 min Scan# 2805

Delta R.T. 0.000 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

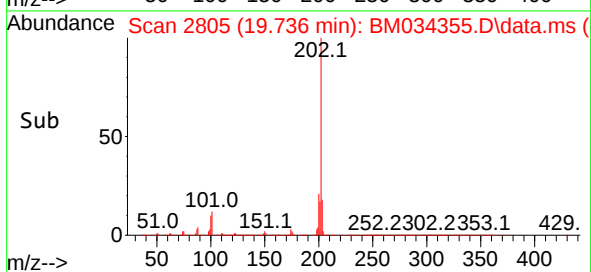
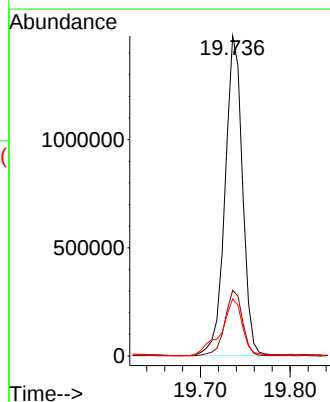
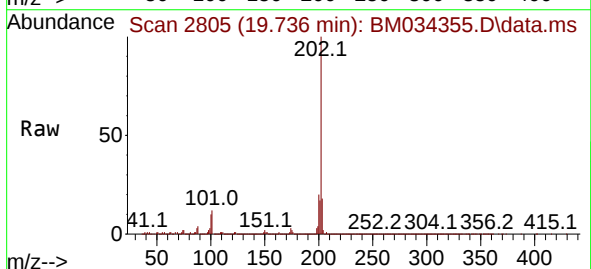
Tgt Ion:202 Resp: 1994642

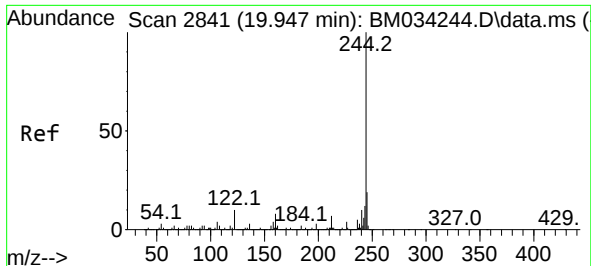
Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

203 17.9 14.1 21.1

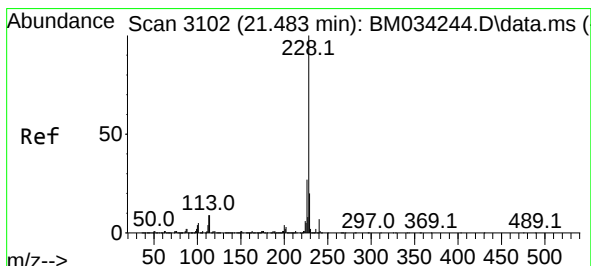
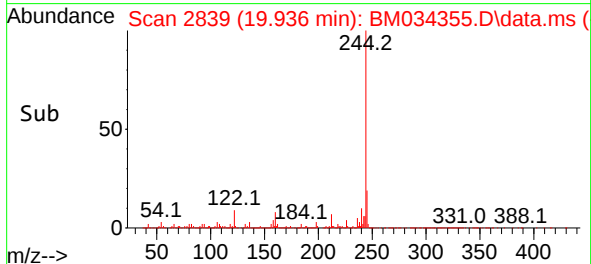
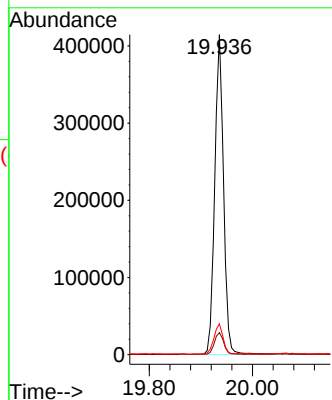
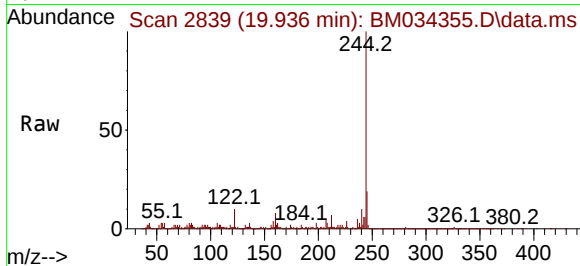




#79
 Terphenyl-d14
 Concen: 11.686 ng
 RT: 19.936 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM034355.D
 Acq: 24 Mar 2022 00:57

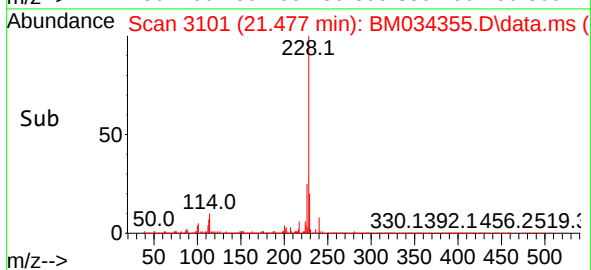
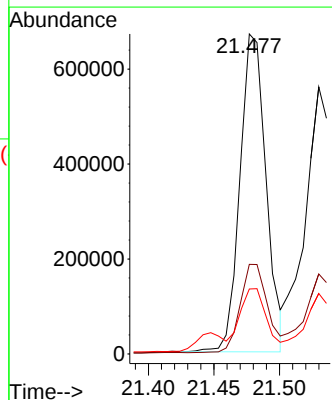
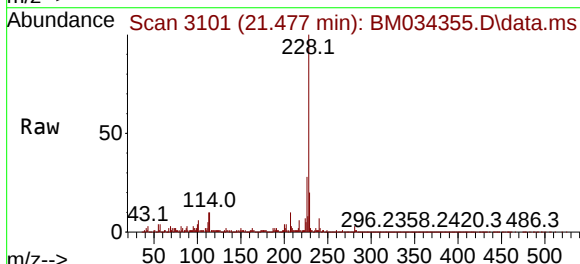
Instrument :
 BNA_M
 ClientSampleId :
 C-9-8-9

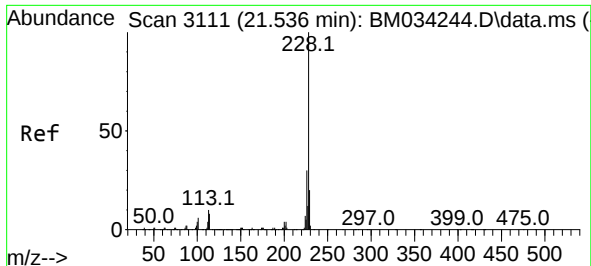
Tgt Ion:244 Resp: 489274
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.6 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 20.212 ng
 RT: 21.477 min Scan# 3101
 Delta R.T. 0.000 min
 Lab File: BM034355.D
 Acq: 24 Mar 2022 00:57

Tgt Ion:228 Resp: 928056
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.6 32.4
 229 20.3 15.8 23.6

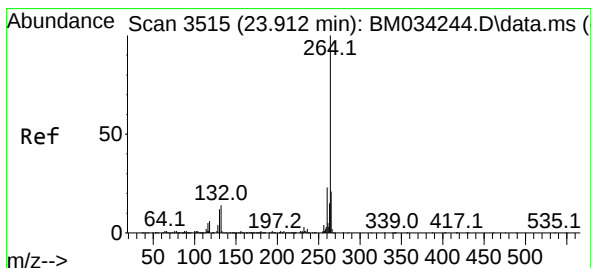
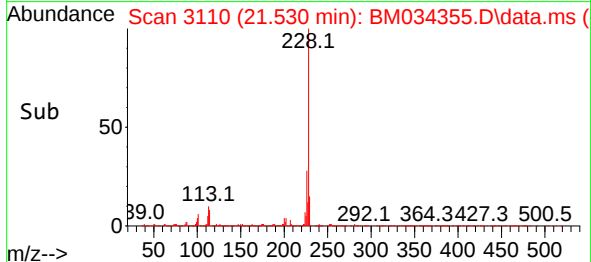
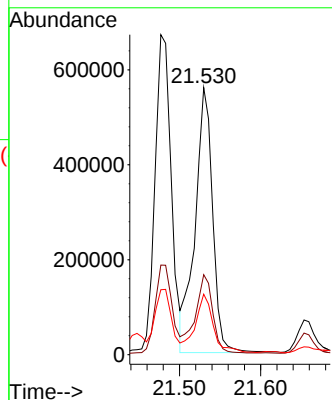
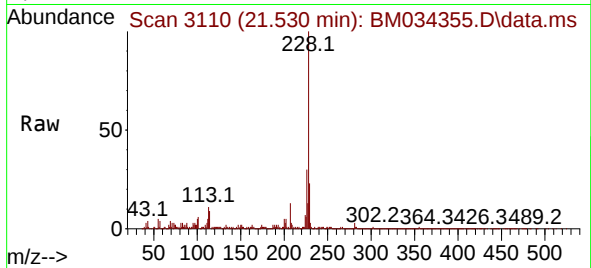




#83
Chrysene
Concen: 17.966 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

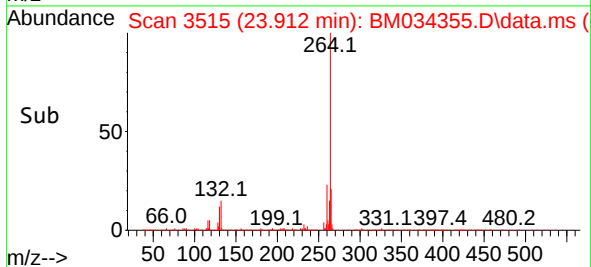
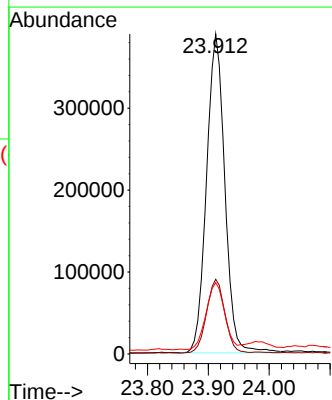
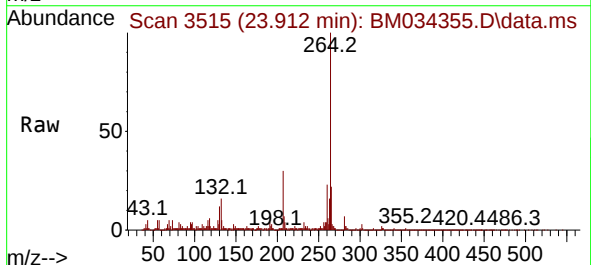
Instrument :
BNA_M
ClientSampleId :
C-9-8-9

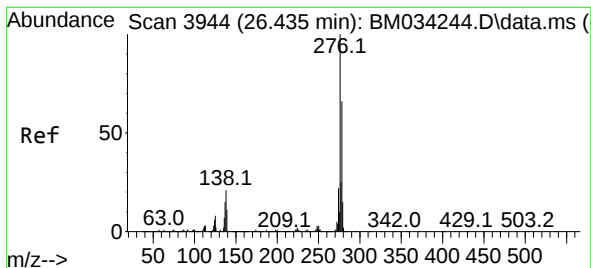
Tgt Ion:228 Resp: 842391
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 22.7 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.912 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

Tgt Ion:264 Resp: 812386
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.3 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.466 ng

RT: 26.430 min Scan# 3944

Delta R.T. 0.006 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

Instrument :

BNA_M

ClientSampleId :

C-9-8-9

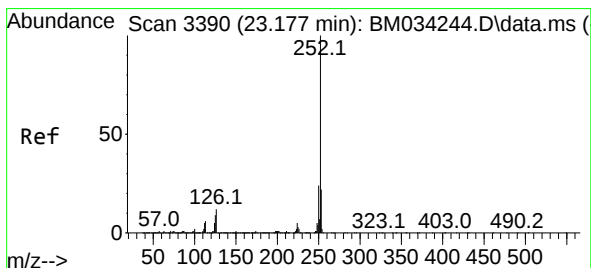
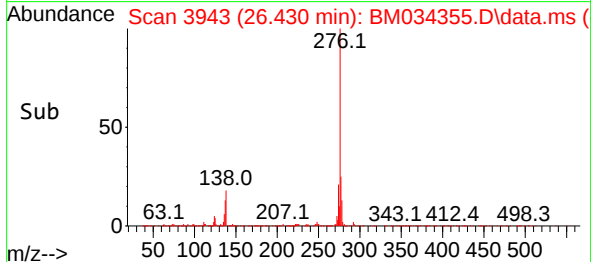
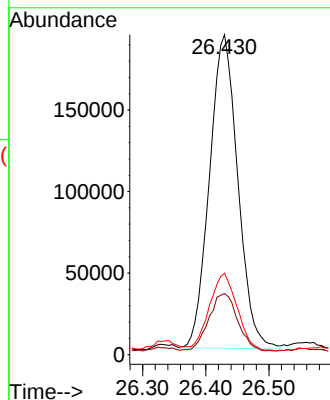
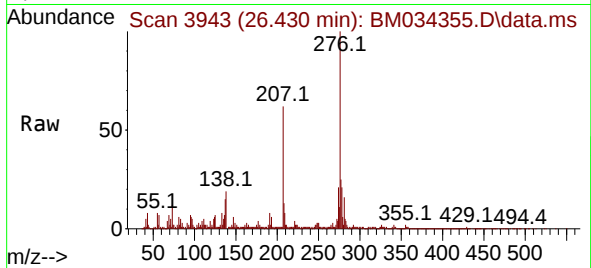
Tgt Ion:276 Resp: 599231

Ion Ratio Lower Upper

276 100

138 18.8 16.6 25.0

277 24.6 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 31.958 ng

RT: 23.177 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM034355.D

Acq: 24 Mar 2022 00:57

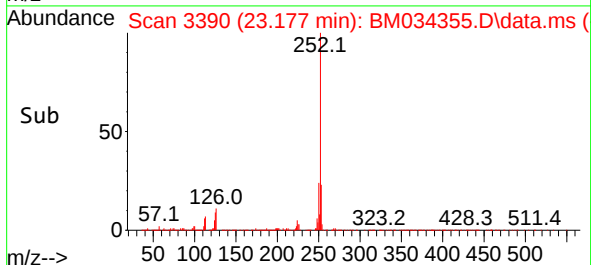
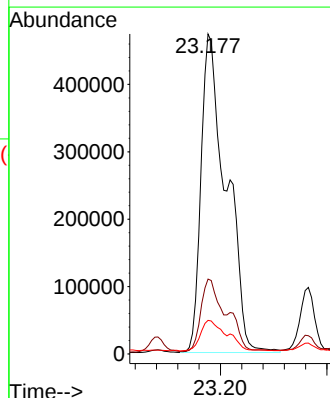
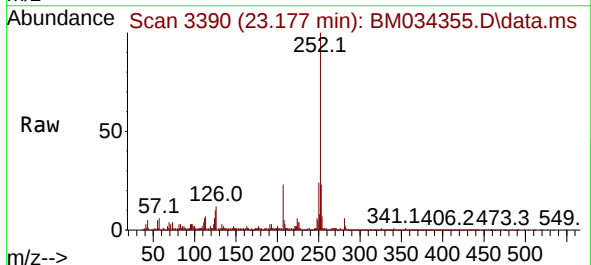
Tgt Ion:252 Resp: 1552482

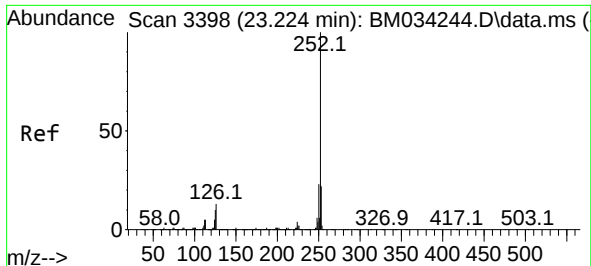
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 10.5 7.2 10.8

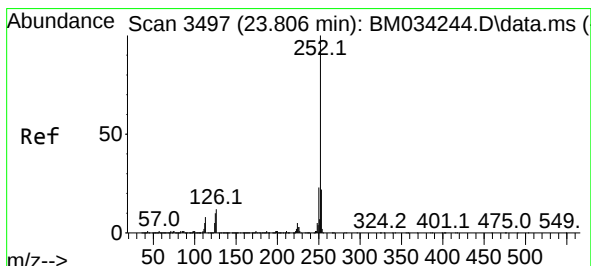
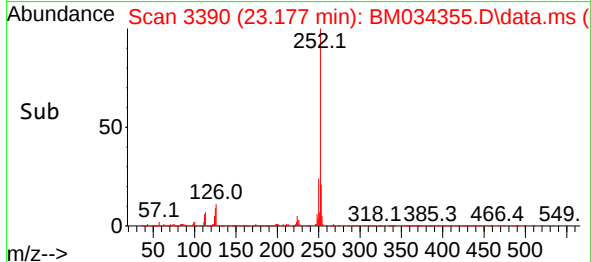
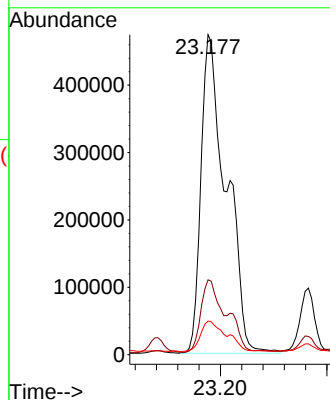
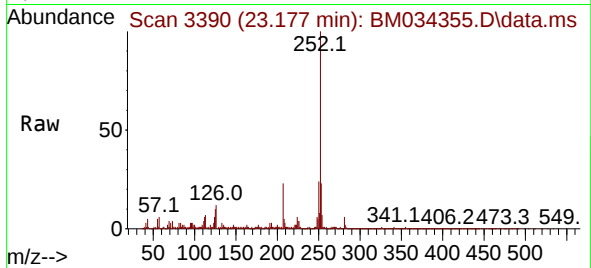




#89
Benzo(k)fluoranthene
Concen: 30.168 ng
RT: 23.177 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

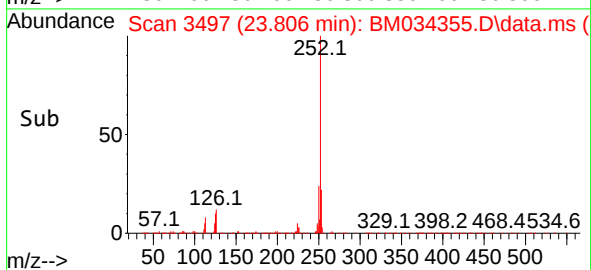
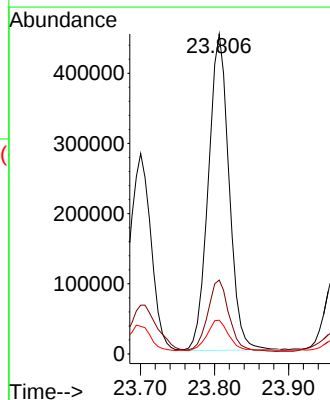
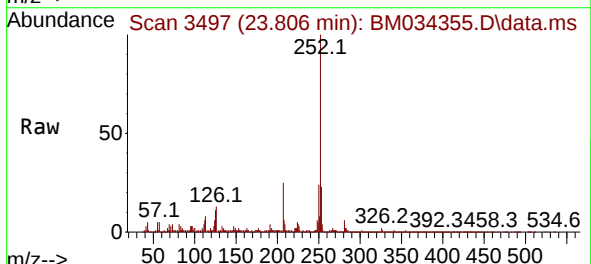
Instrument :
BNA_M
ClientSampleId :
C-9-8-9

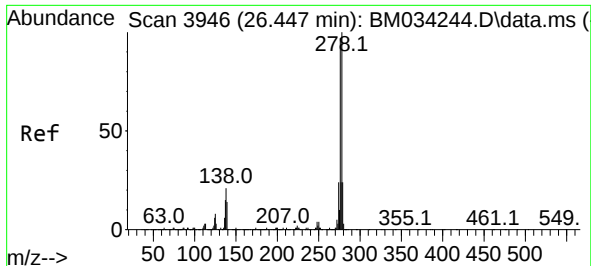
Tgt Ion:252 Resp: 1552482
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.5 7.5 11.3



#90
Benzo(a)pyrene
Concen: 21.235 ng
RT: 23.806 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM034355.D
Acq: 24 Mar 2022 00:57

Tgt Ion:252 Resp: 874494
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.6 7.8 11.6

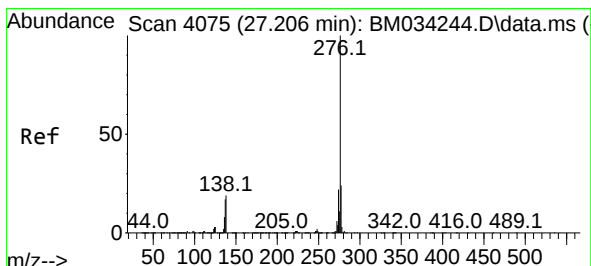
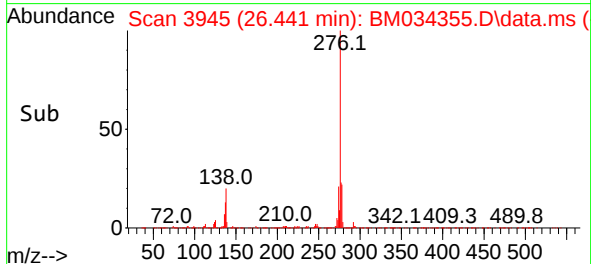
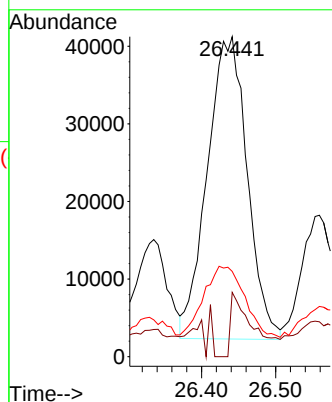
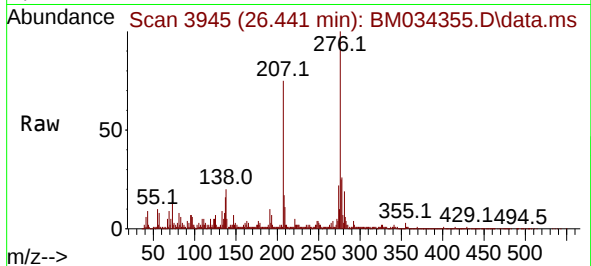




#91
 Dibenzo(a,h)anthracene
 Concen: 3.432 ng
 RT: 26.441 min Scan# 3945
 Delta R.T. 0.000 min
 Lab File: BM034355.D
 Acq: 24 Mar 2022 00:57

Instrument :
 BNA_M
 ClientSampleId :
 C-9-8-9

Tgt Ion: 278 Resp: 145446
 Ion Ratio Lower Upper
 278 100
 139 20.1 11.2 16.8#
 279 26.7 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 14.196 ng
 RT: 27.200 min Scan# 4074
 Delta R.T. 0.000 min
 Lab File: BM034355.D
 Acq: 24 Mar 2022 00:57

Tgt Ion: 276 Resp: 622652
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.4
 138 20.3 15.6 23.4

