

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042721\
 Data File : BM029678.D
 Acq On : 27 Apr 2021 17:51
 Operator : CG/JU
 Sample : M2170-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DS-1

Quant Time: Apr 27 18:26:42 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 26 15:01:01 2021
 Response via : Initial Calibration

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

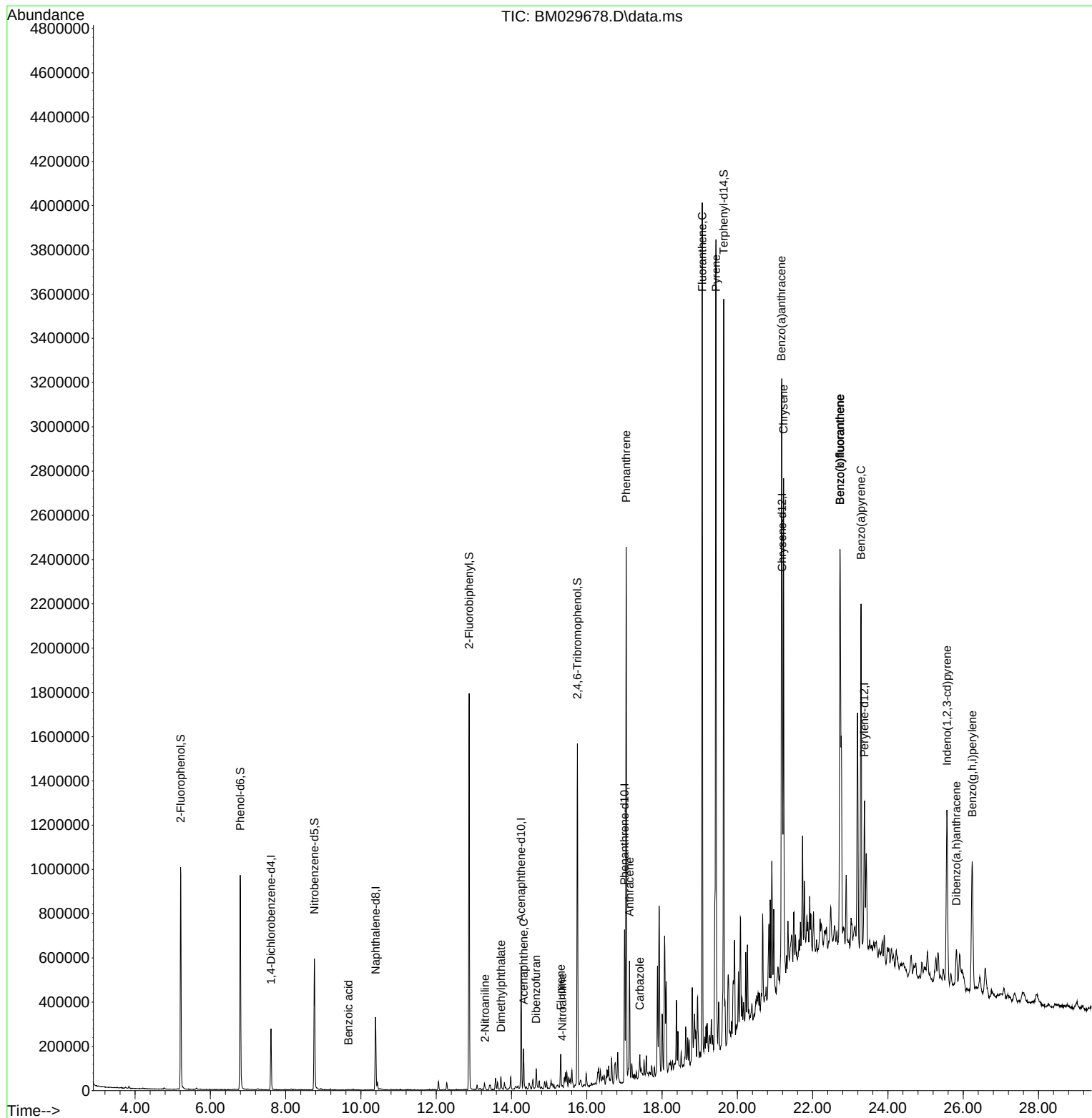
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	77783	20.00	ng	-0.01
21) Naphthalene-d8	10.392	136	274229	20.00	ng	0.00
39) Acenaphthene-d10	14.257	164	186656	20.00	ng	-0.01
64) Phenanthrene-d10	17.003	188	411261	20.00	ng	0.00
76) Chrysene-d12	21.191	240	478923	20.00	ng	0.00
86) Perylene-d12	23.374	264	485413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.210	112	426854	110.02	ng	0.00
7) Phenol-d6	6.792	99	524883	90.58	ng	0.00
23) Nitrobenzene-d5	8.763	82	350249	65.78	ng	-0.01
42) 2,4,6-Tribromophenol	15.751	330	278248	107.79	ng	-0.01
45) 2-Fluorobiphenyl	12.874	172	927507	67.44	ng	-0.01
79) Terphenyl-d14	19.639	244	1472512	58.29	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.669	122	333	7.31	ng	93
48) 2-Nitroaniline	13.298	65	61	2.88	ng	# 4
50) Dimethylphthalate	13.721	163	36671	2.60	ng	100
52) Acenaphthene	14.321	154	63863	6.09	ng	99
55) Dibenzofuran	14.657	168	41686	2.35	ng	# 96
58) Fluorene	15.309	166	61788	4.16	ng	97
62) 4-Nitroaniline	15.351	138	53	3.47	ng	# 10
71) Phenanthrene	17.045	178	1467222	61.96	ng	100
72) Anthracene	17.133	178	343896	14.72	ng	100
73) Carbazole	17.409	167	63134	2.88	ng	97
75) Fluoranthene	19.068	202	2256137	78.57	ng	98
78) Pyrene	19.433	202	2354459	76.41	ng	99
81) Benzo(a)anthracene	21.174	228	1308966	41.31	ng	99
83) Chrysene	21.227	228	1193955	38.35	ng	97
87) Indeno(1,2,3-cd)pyrene	25.568	276	728841	19.42	ng	# 96
88) Benzo(b)fluoranthene	22.727	252	1984543	62.69	ng	97
89) Benzo(k)fluoranthene	22.727	252	1984543	62.55	ng	97
90) Benzo(a)pyrene	23.285	252	1081736	36.40	ng	97
91) Dibenzo(a,h)anthracene	25.821	278	168927	5.22	ng	95
92) Benzo(g,h,i)perylene	26.238	276	727702	24.32	ng	98

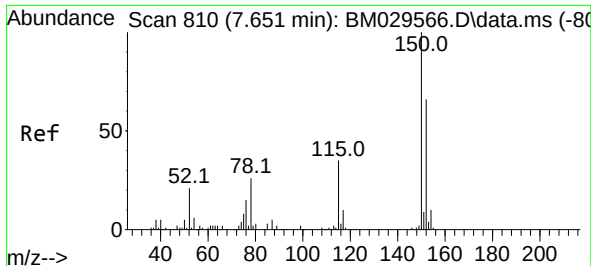
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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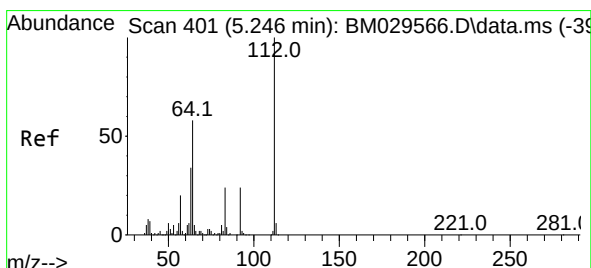
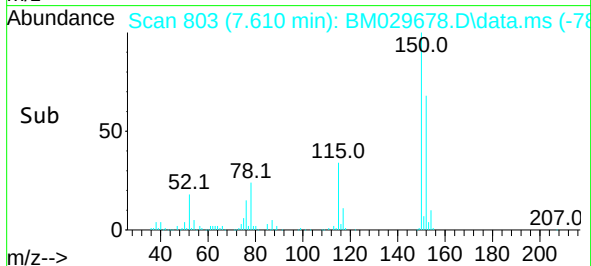
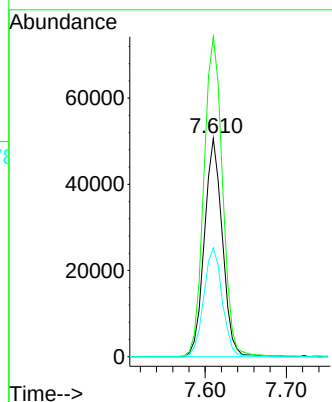
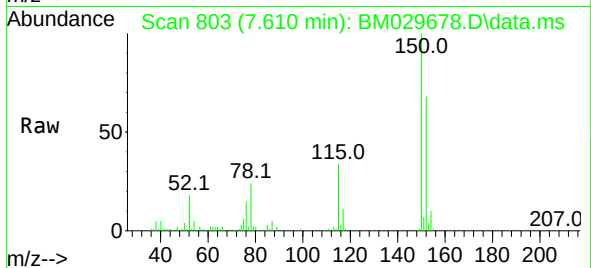




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.610 min Scan# 803
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

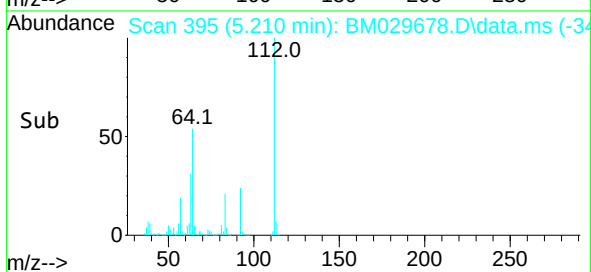
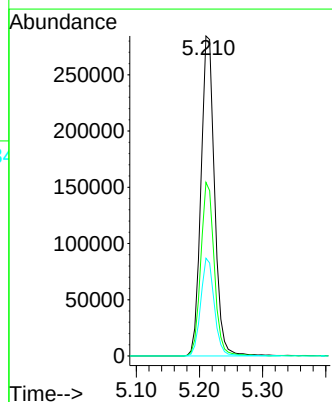
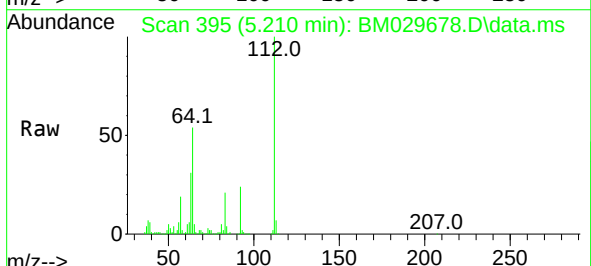
Instrument :
BNA_M
ClientSampleId :
DS-1

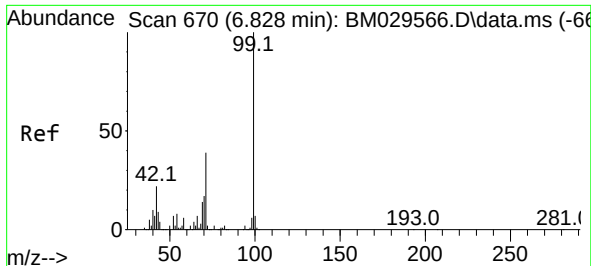
Tgt Ion:152 Resp: 77783
Ion Ratio Lower Upper
152 100
150 146.6 125.9 188.9
115 49.9 44.6 67.0



#5
2-Fluorophenol
Concen: 110.02 ng
RT: 5.210 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:112 Resp: 426854
Ion Ratio Lower Upper
112 100
64 54.2 47.1 70.7
63 30.6 27.3 40.9

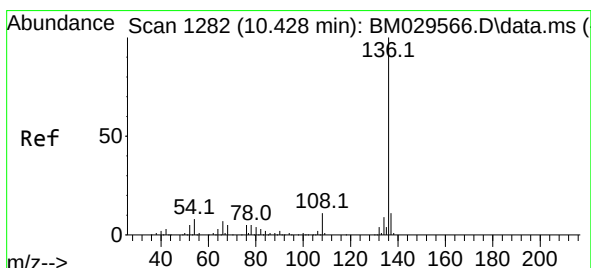
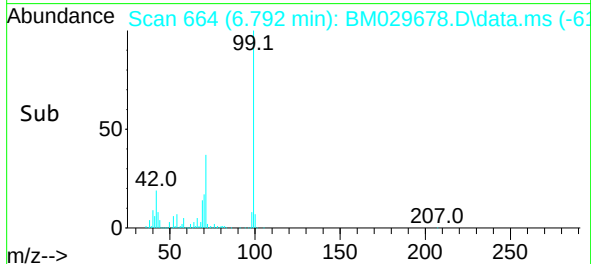
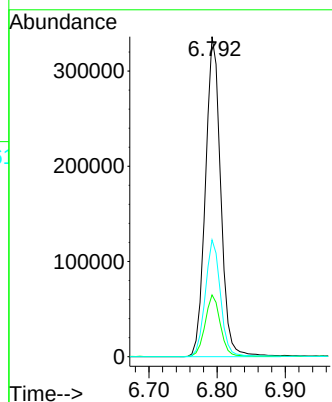
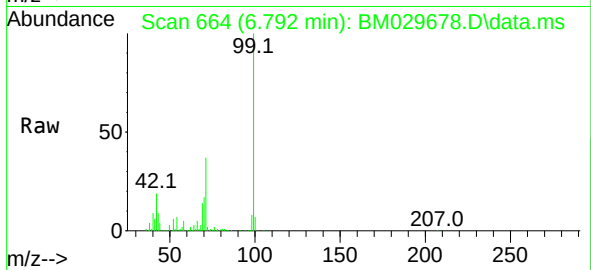




#7
Phenol-d6
Concen: 90.58 ng
RT: 6.792 min Scan# 664
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

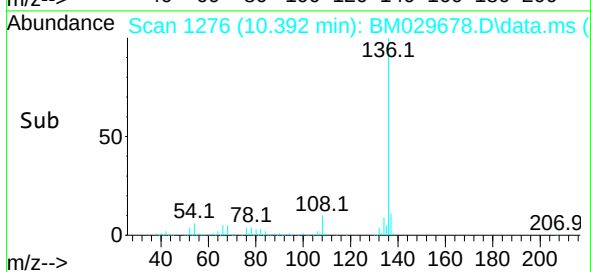
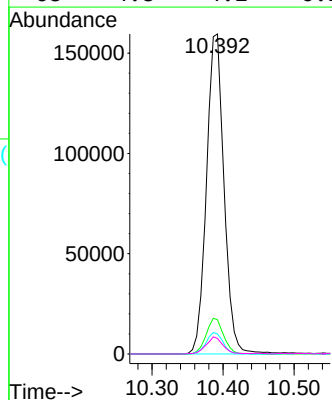
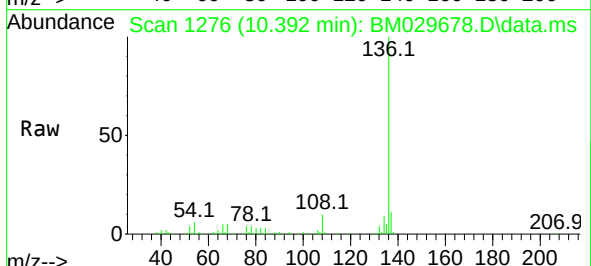
Instrument :
BNA_M
ClientSampleId :
DS-1

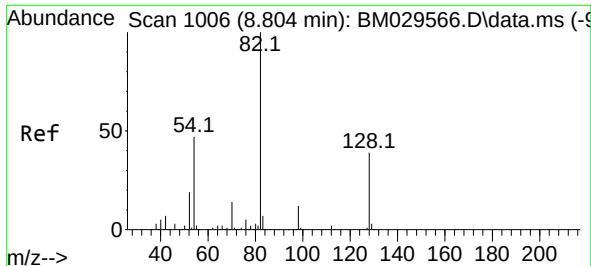
Tgt Ion:	99	Resp:	524883
Ion	Ratio	Lower	Upper
99	100		
42	19.3	18.0	27.0
71	36.5	30.9	46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.392 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:	136	Resp:	274229
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.3	5.5	8.3
68	4.8	4.2	6.2

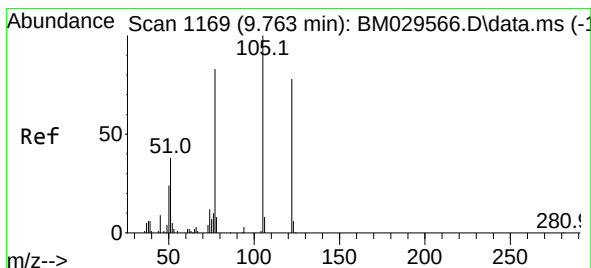
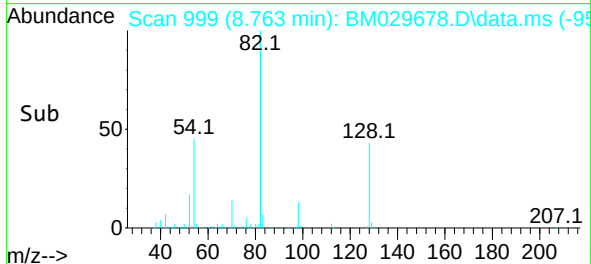
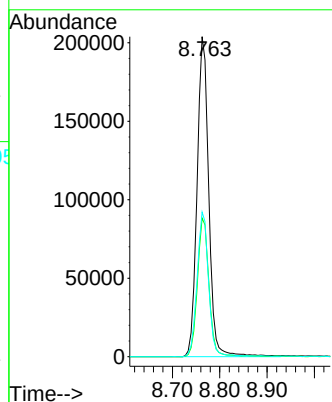
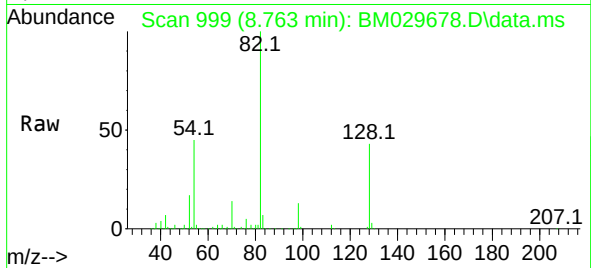




#23
Nitrobenzene-d5
Concen: 65.78 ng
RT: 8.763 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

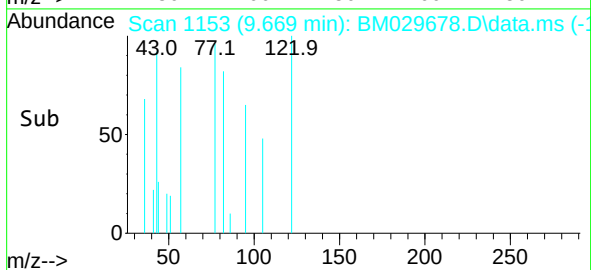
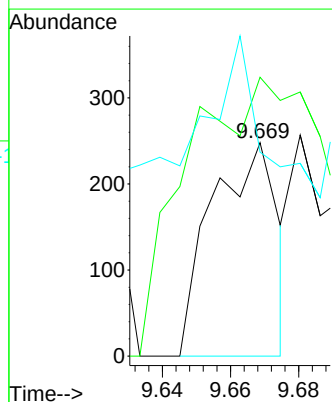
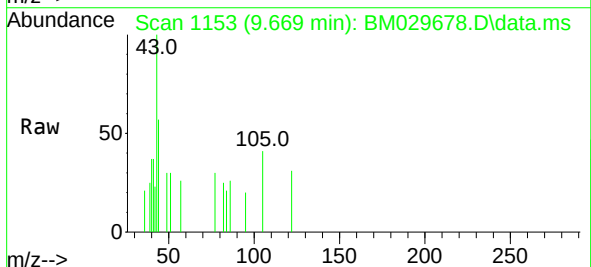
Instrument :
BNA_M
ClientSampleId :
DS-1

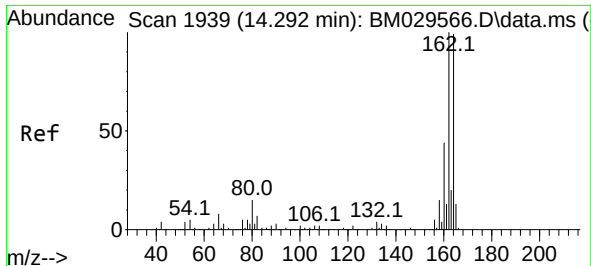
Tgt Ion: 82 Resp: 350249
Ion Ratio Lower Upper
82 100
128 43.3 31.1 46.7
54 45.2 37.3 55.9



#32
Benzoic acid
Concen: 7.31 ng
RT: 9.669 min Scan# 1153
Delta R.T. -0.065 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

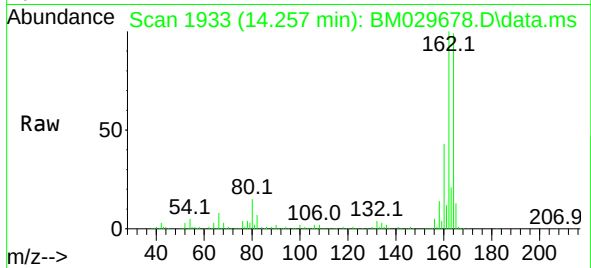
Tgt Ion: 122 Resp: 333
Ion Ratio Lower Upper
122 100
105 130.6 107.3 147.3
77 95.6 88.0 128.0



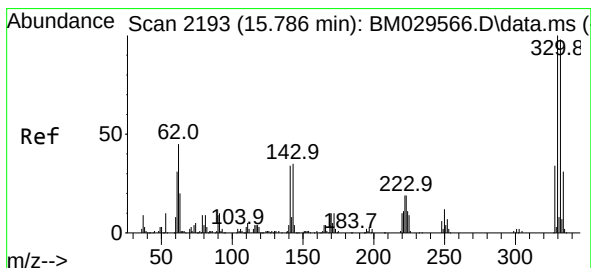
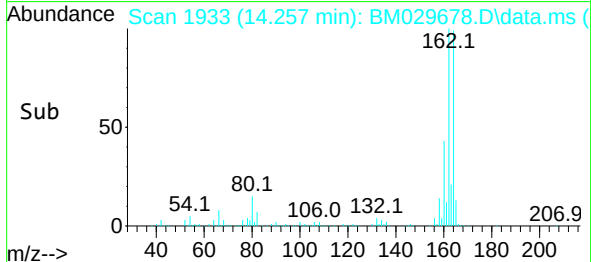
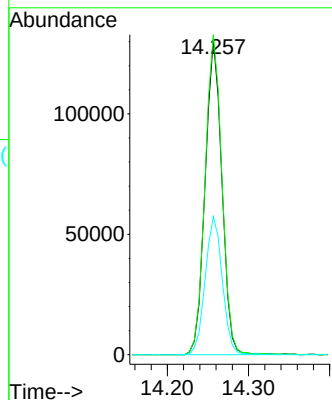


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Instrument :
BNA_M
ClientSampleId :
DS-1

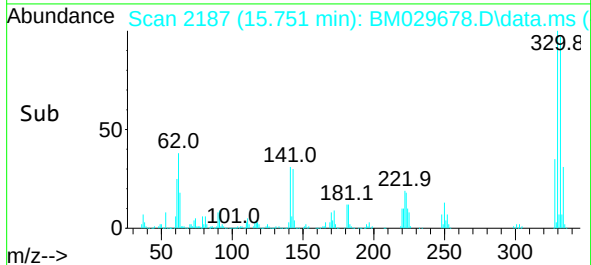
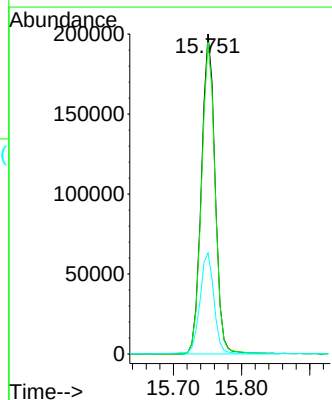
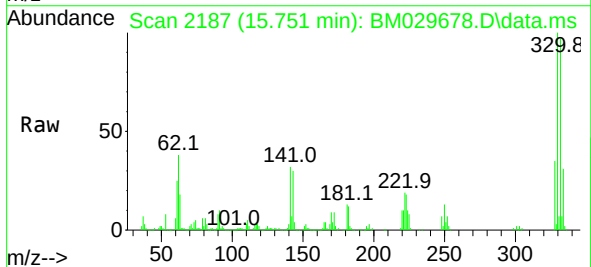


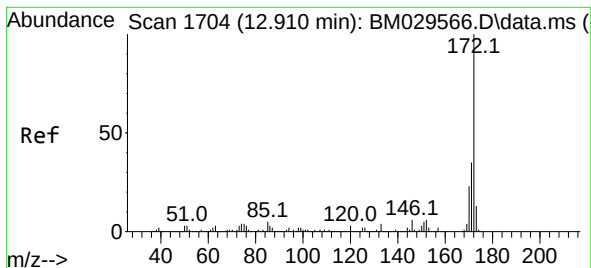
Tgt Ion:164 Resp: 186656
Ion Ratio Lower Upper
164 100
162 101.4 83.4 125.0
160 43.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 107.79 ng
RT: 15.751 min Scan# 2187
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:330 Resp: 278248
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 32.9 30.2 45.2

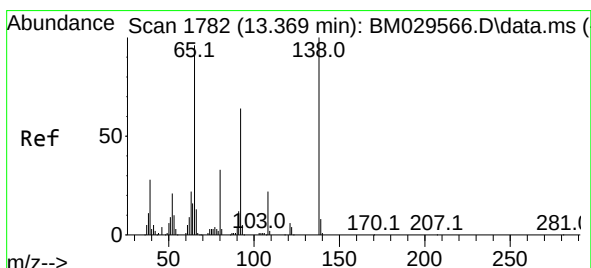
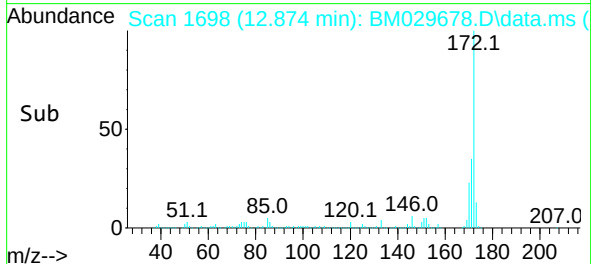
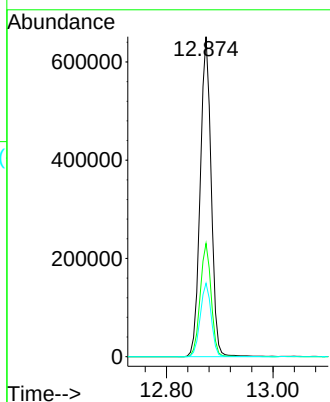
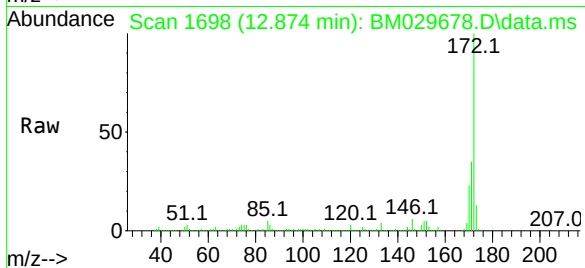




#45
2-Fluorobiphenyl
Concen: 67.44 ng
RT: 12.874 min Scan# 1698
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

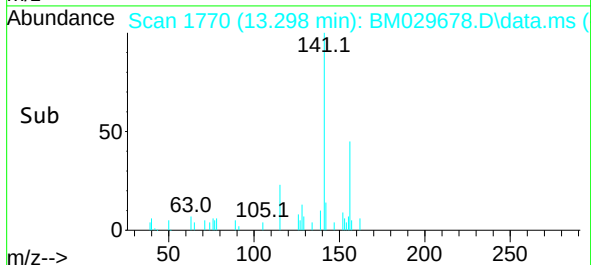
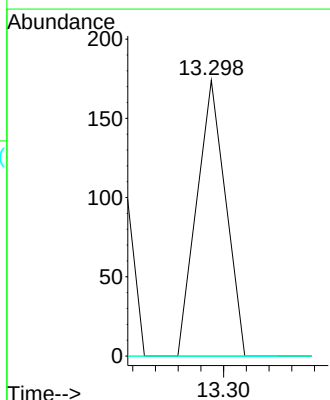
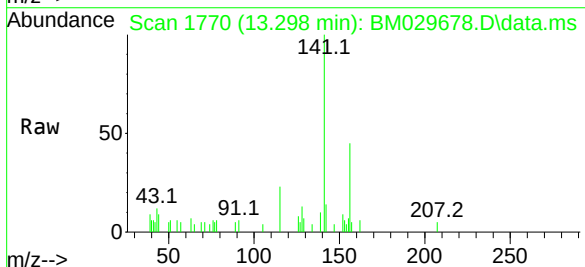
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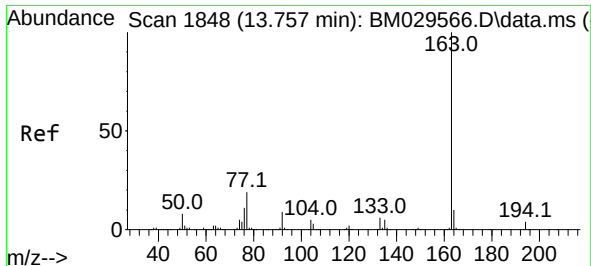
Tgt Ion:172	Resp:	927507
Ion Ratio	Lower	Upper
172	100	
171	35.4	28.6 43.0
170	22.9	18.4 27.6



#48
2-Nitroaniline
Concen: 2.88 ng
RT: 13.298 min Scan# 1770
Delta R.T. -0.047 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

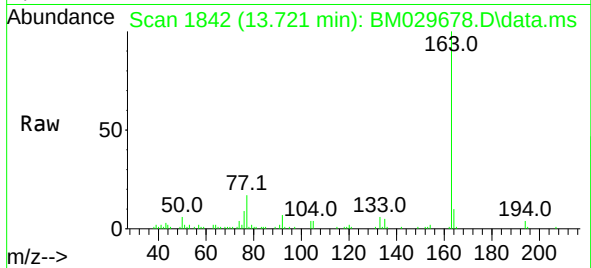
Tgt Ion: 65	Resp:	61
Ion Ratio	Lower	Upper
65	100	
92	0.0	55.5 83.3#
138	0.0	85.7 128.5#



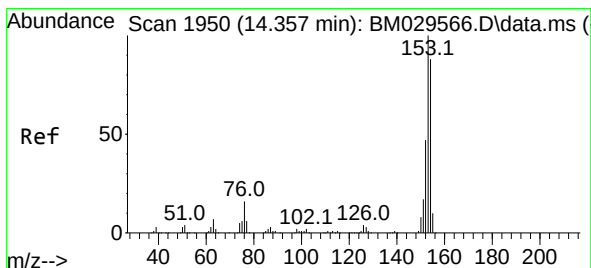
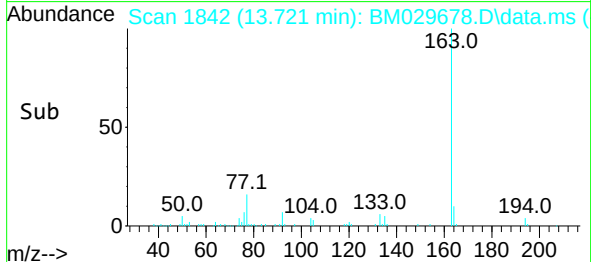
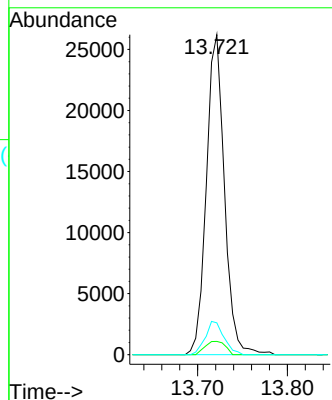


#50
Dimethylphthalate
Concen: 2.60 ng
RT: 13.721 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

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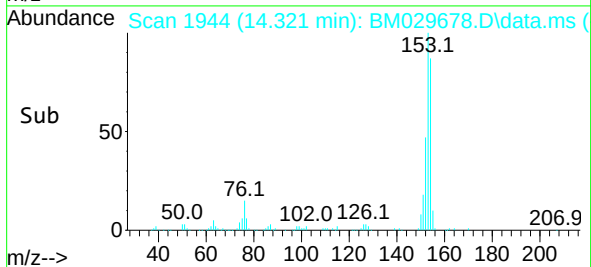
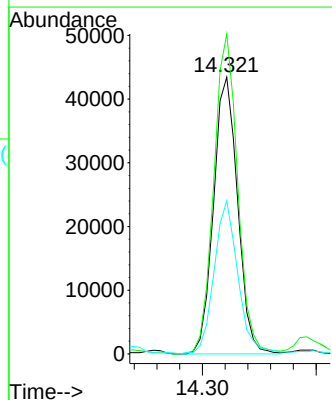
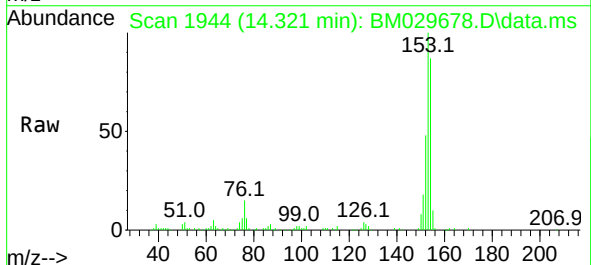


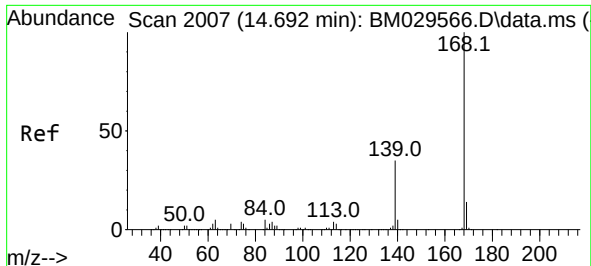
Tgt Ion:163 Resp: 36671
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.0 7.9 11.9



#52
Acenaphthene
Concen: 6.09 ng
RT: 14.321 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:154 Resp: 63863
Ion Ratio Lower Upper
154 100
153 115.6 92.2 138.2
152 55.3 43.4 65.2

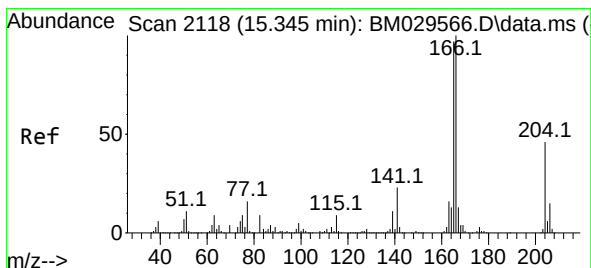
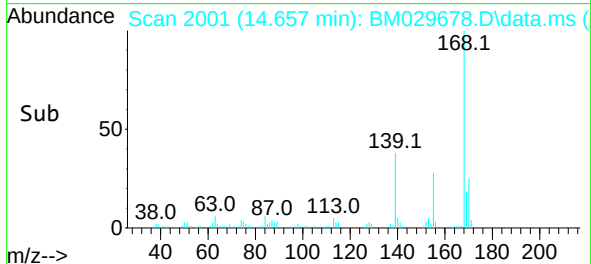
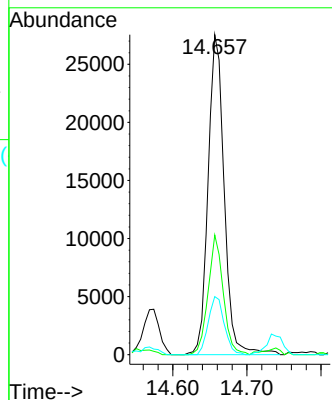
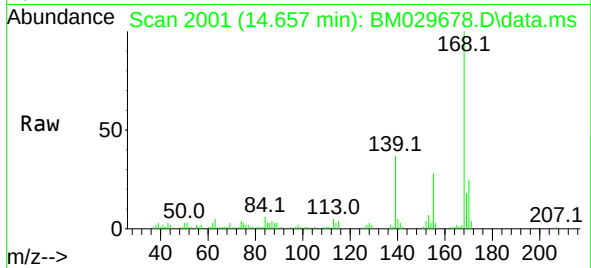




#55
Dibenzenofuran
Concen: 2.35 ng
RT: 14.657 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

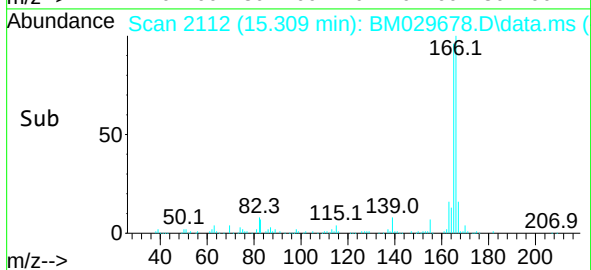
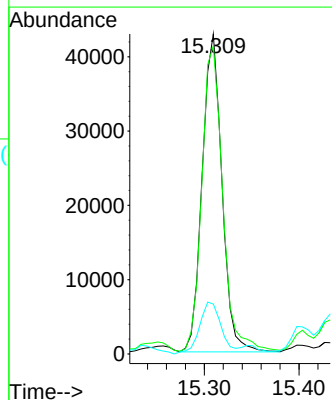
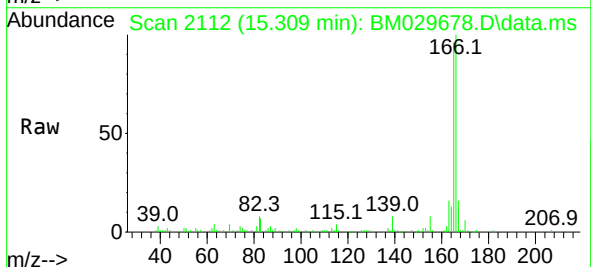
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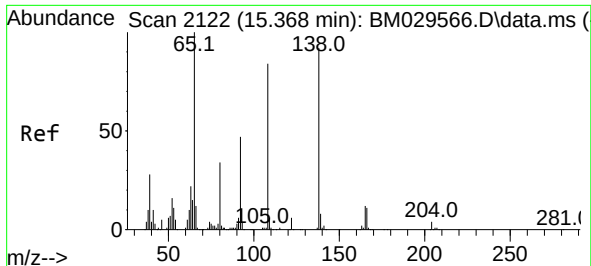
Tgt Ion:168 Resp: 41686
Ion Ratio Lower Upper
168 100
139 37.4 29.4 44.0
169 18.2 10.8 16.2#



#58
Fluorene
Concen: 4.16 ng
RT: 15.309 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:166 Resp: 61788
Ion Ratio Lower Upper
166 100
165 96.2 79.0 118.6
167 15.6 10.8 16.2

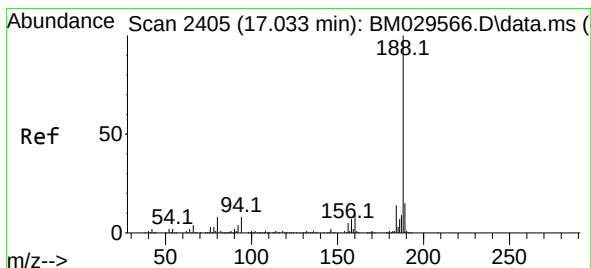
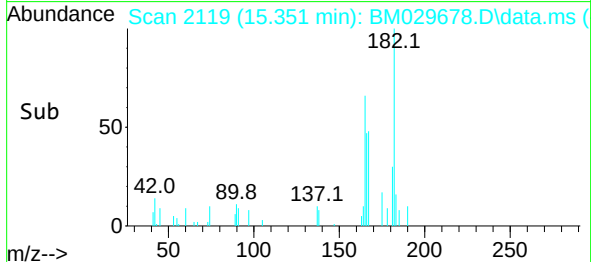
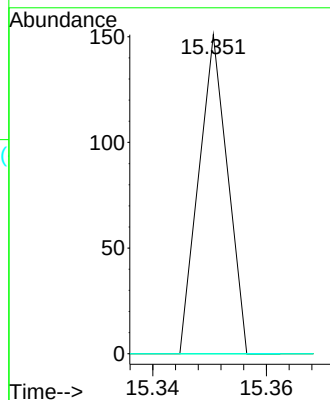
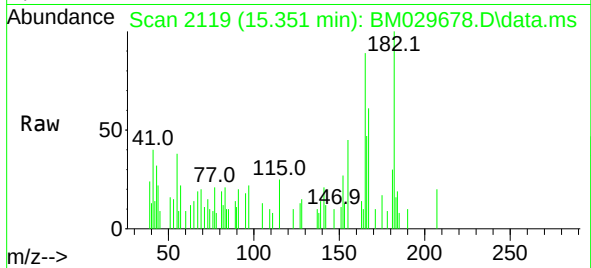




#62
4-Nitroaniline
Concen: 3.47 ng
RT: 15.351 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

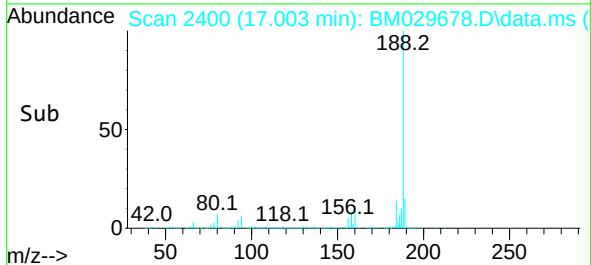
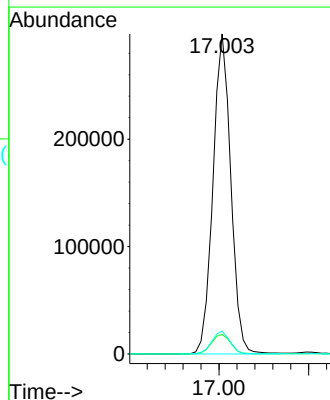
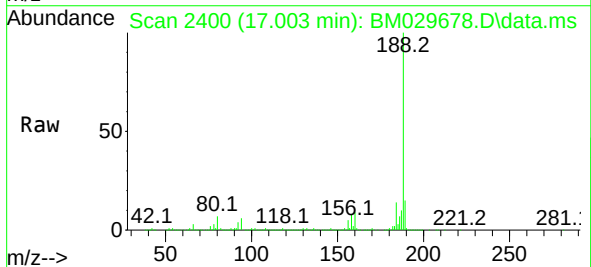
Instrument :
BNA_M
ClientSampled :
DS-1

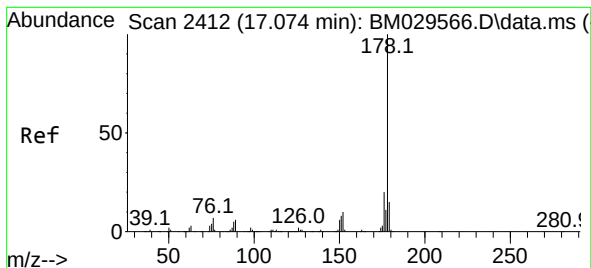
Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 0.0 33.4 73.4#
108 0.0 75.5 115.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.003 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:188 Resp: 411261
Ion Ratio Lower Upper
188 100
94 6.1 6.0 9.0
80 7.2 6.6 9.8

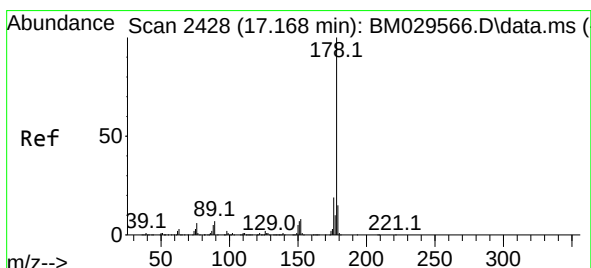
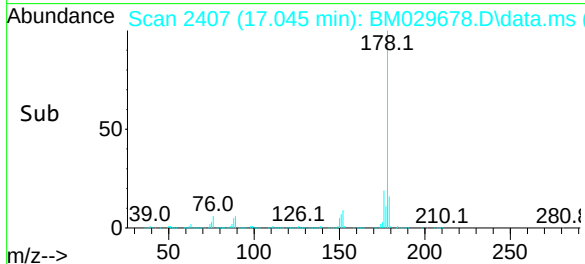
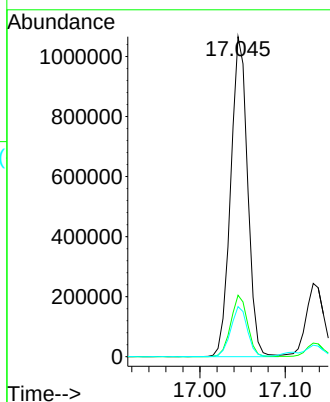
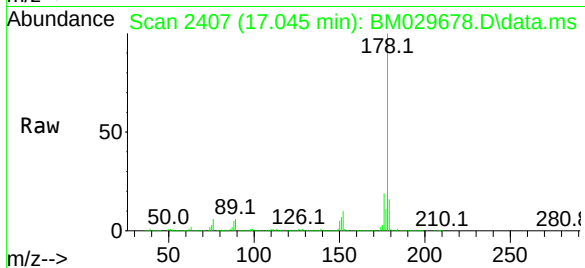




#71
Phenanthrene
Concen: 61.96 ng
RT: 17.045 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

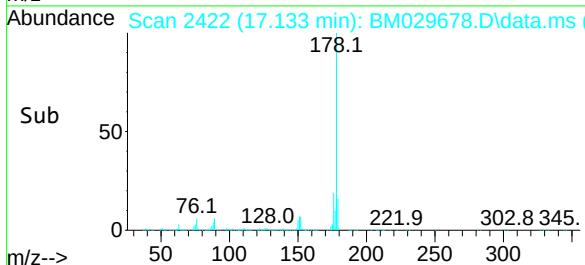
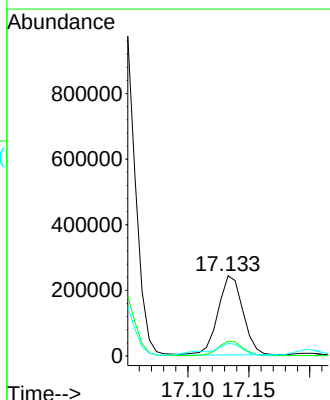
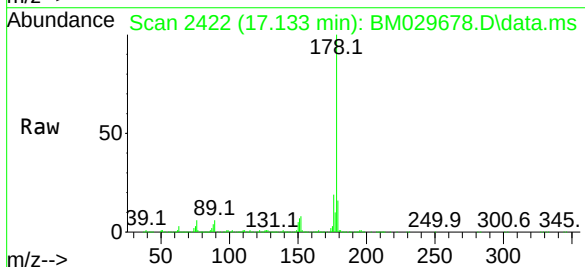
Instrument :
BNA_M
ClientSampleId :
DS-1

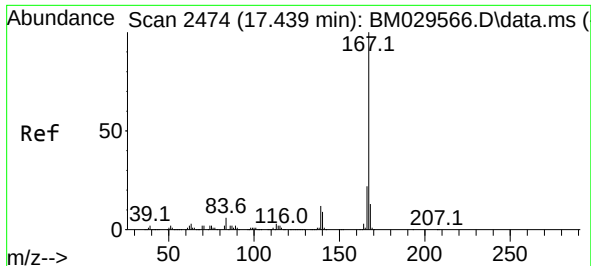
Tgt Ion:178 Resp: 1467222
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.7 12.2 18.4



#72
Anthracene
Concen: 14.72 ng
RT: 17.133 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:178 Resp: 343896
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.8 12.5 18.7

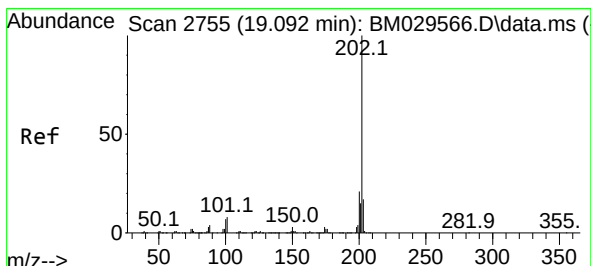
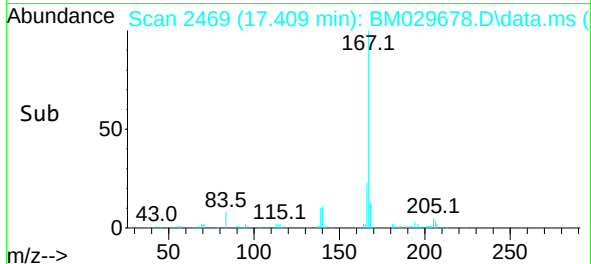
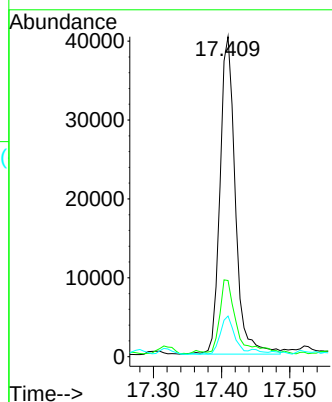
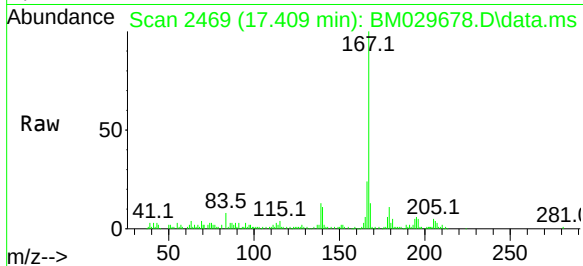




#73
 Carbazole
 Concen: 2.88 ng
 RT: 17.409 min Scan# 2469
 Delta R.T. -0.012 min
 Lab File: BM029678.D
 Acq: 27 Apr 2021 17:51

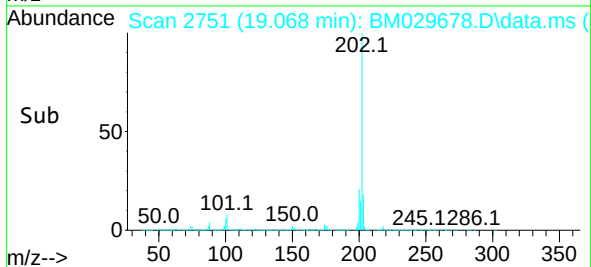
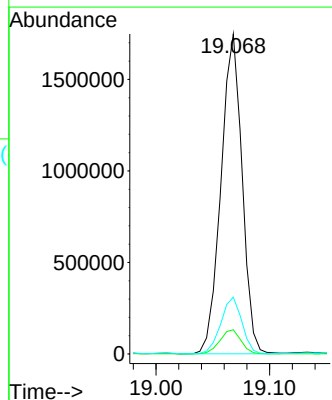
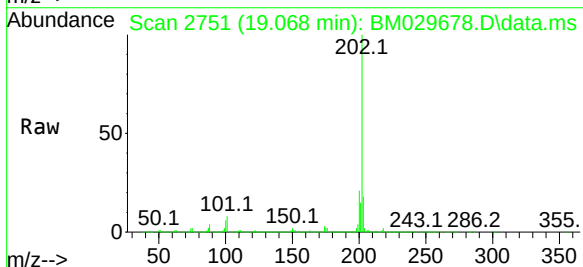
Instrument :
 BNA_M
 ClientSampleId :
 DS-1

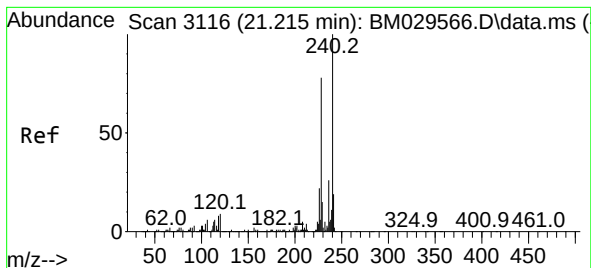
Tgt Ion:167 Resp: 63134
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.4 26.0
 139 12.7 9.8 14.6



#75
 Fluoranthene
 Concen: 78.57 ng
 RT: 19.068 min Scan# 2751
 Delta R.T. -0.006 min
 Lab File: BM029678.D
 Acq: 27 Apr 2021 17:51

Tgt Ion:202 Resp: 2256137
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 28.6
 203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.191 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Tgt Ion:240 Resp: 478923

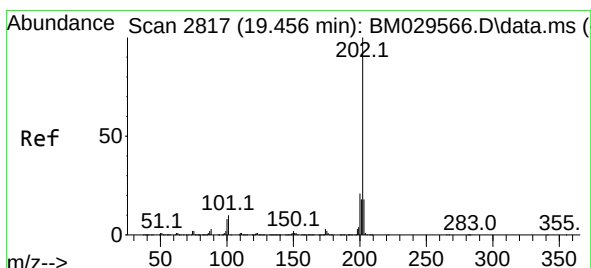
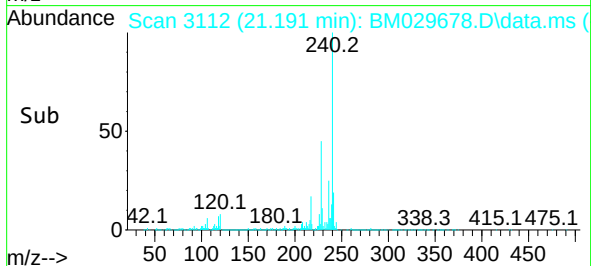
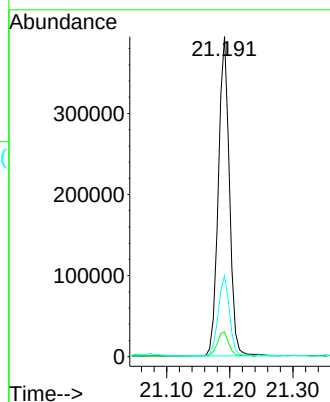
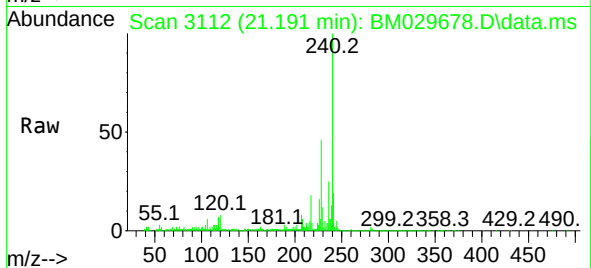
Ion	Ratio	Lower	Upper
240	100		
120	7.7	7.0	10.6
236	25.3	21.0	31.4

Instrument :

BNA_M

ClientSampleId :

DS-1



#78

Pyrene

Concen: 76.41 ng

RT: 19.433 min Scan# 2813

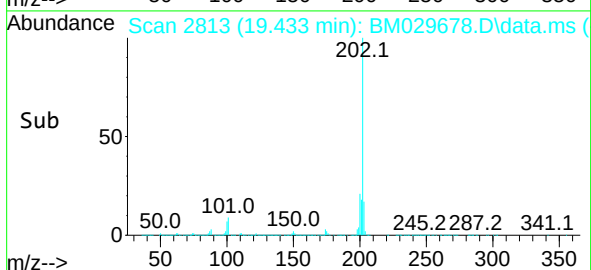
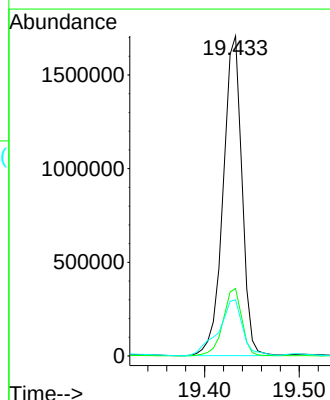
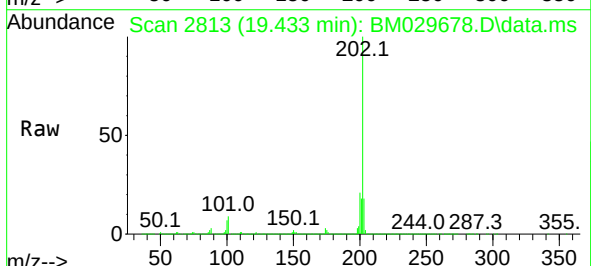
Delta R.T. -0.000 min

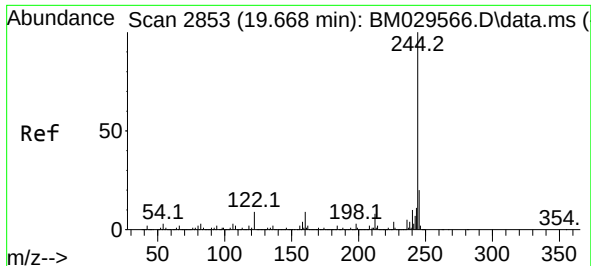
Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Tgt Ion:202 Resp: 2354459

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.5	13.9	20.9

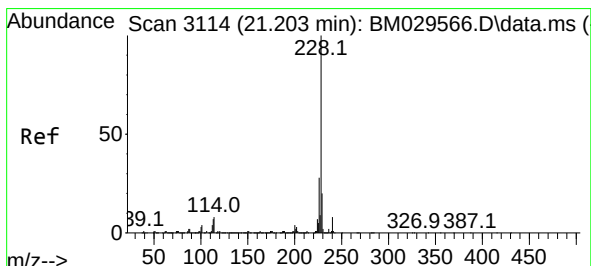
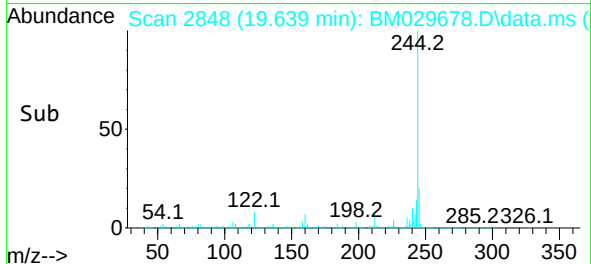
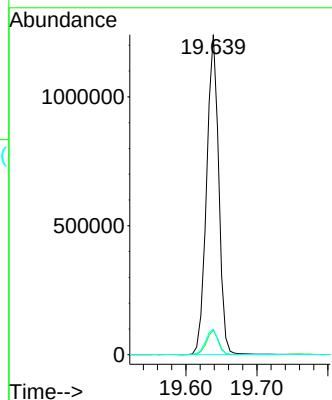
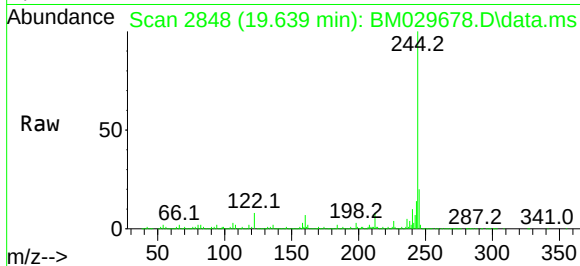




#79
Terphenyl-d14
Concen: 58.29 ng
RT: 19.639 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

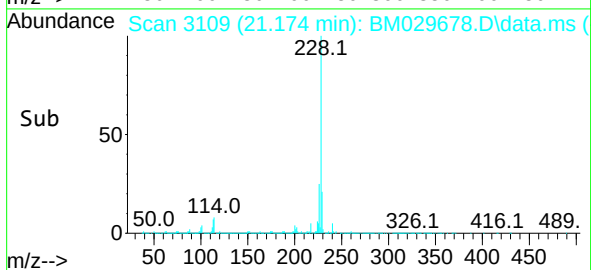
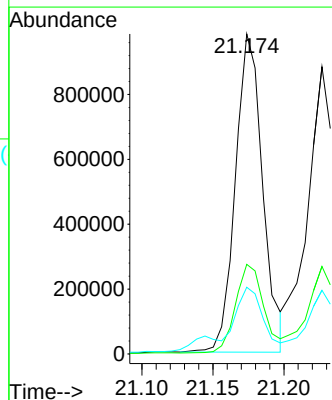
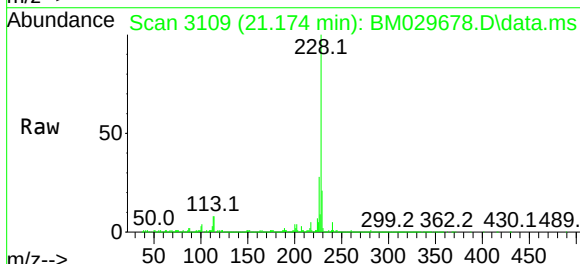
Instrument :
BNA_M
ClientSampleId :
DS-1

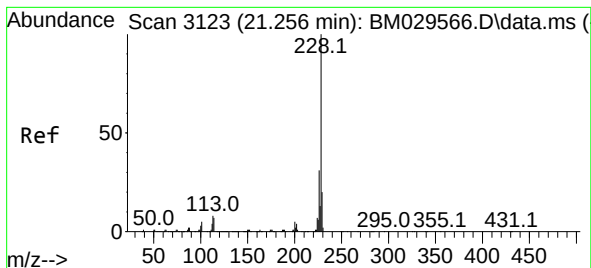
Tgt Ion:244 Resp: 1472512
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 8.0 6.9 10.3



#81
Benzo(a)anthracene
Concen: 41.31 ng
RT: 21.174 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:228 Resp: 1308966
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 20.8 15.7 23.5





#83

Chrysene

Concen: 38.35 ng

RT: 21.227 min Scan# 3118

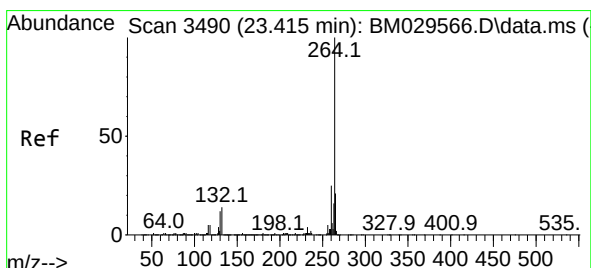
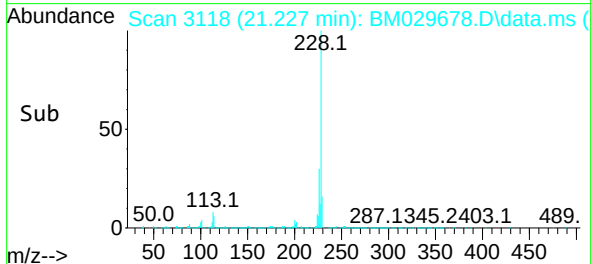
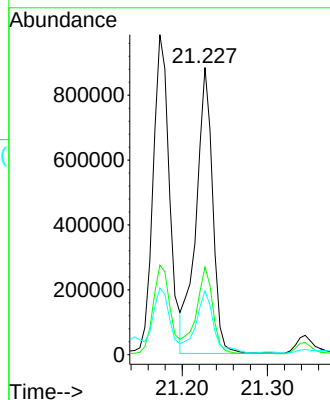
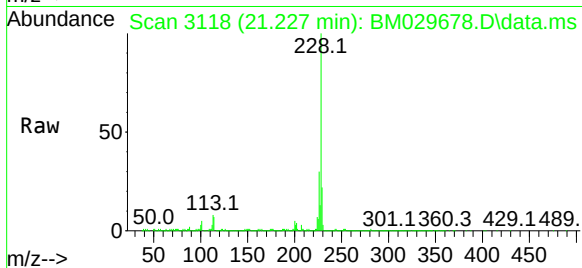
Delta R.T. -0.006 min

Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Tgt Ion:228 Resp: 1193955

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	36.8
229	22.2	15.5	23.3



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.374 min Scan# 3483

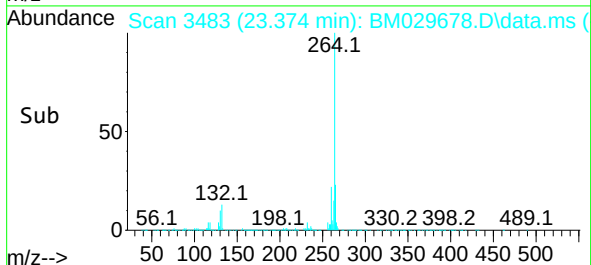
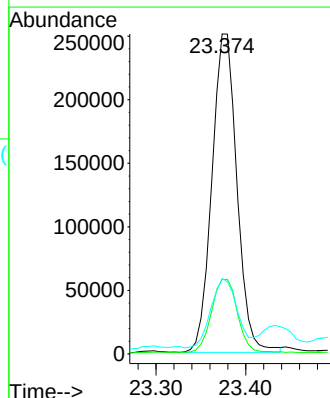
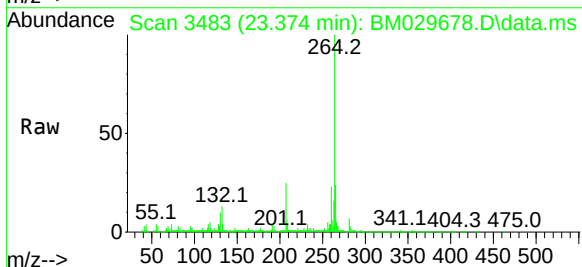
Delta R.T. -0.006 min

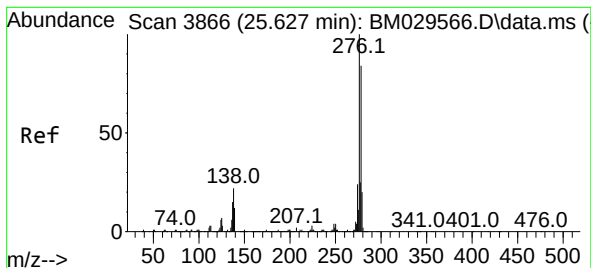
Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Tgt Ion:264 Resp: 485413

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.8	29.8
265	23.5	17.7	26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.42 ng

RT: 25.568 min Scan# 3856

Delta R.T. -0.012 min

Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Tgt Ion:276 Resp: 728841

Ion Ratio Lower Upper

276 100

138 17.0 17.1 25.7#

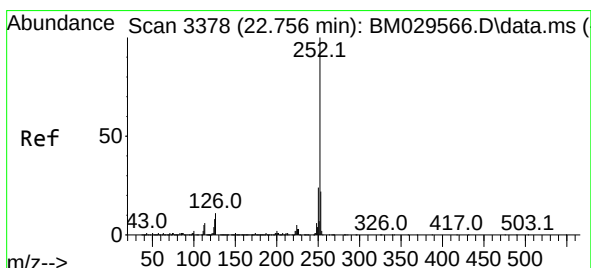
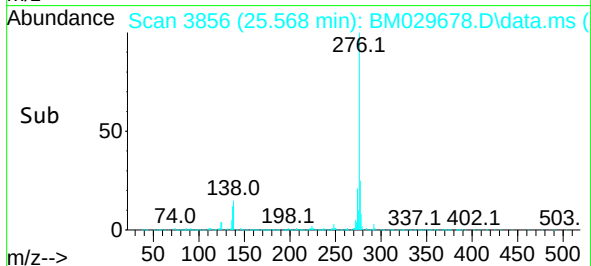
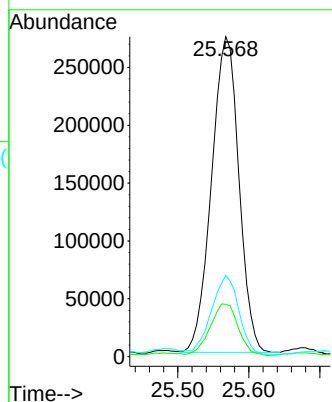
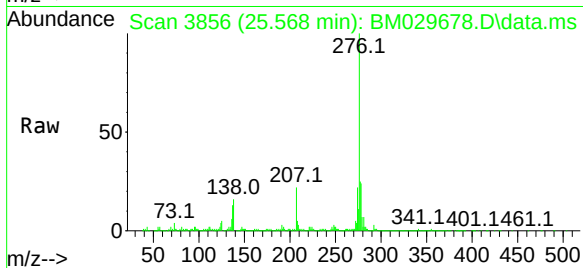
277 25.4 20.3 30.5

Instrument :

BNA_M

ClientSampleId :

DS-1



#88

Benzo(b)fluoranthene

Concen: 62.69 ng

RT: 22.727 min Scan# 3373

Delta R.T. -0.000 min

Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

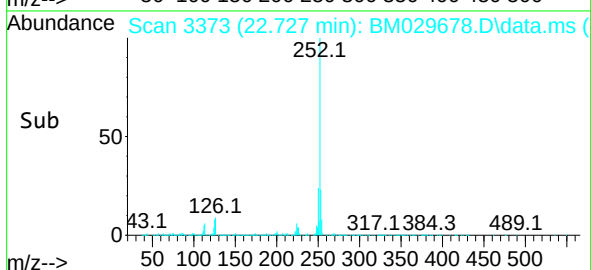
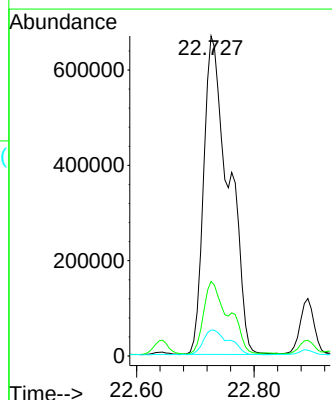
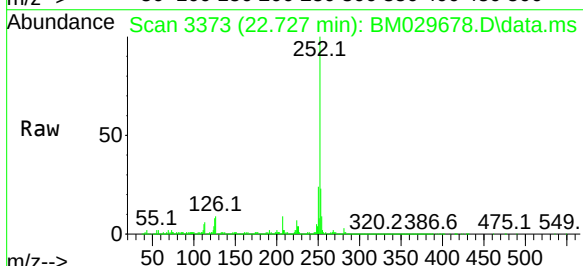
Tgt Ion:252 Resp: 1984543

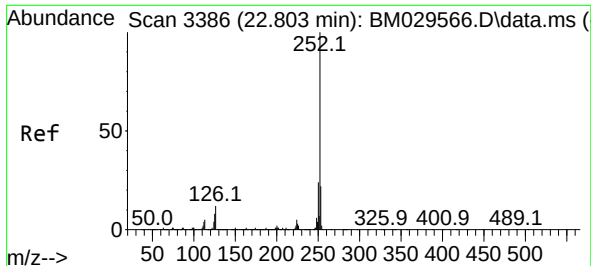
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 8.1 6.8 10.2

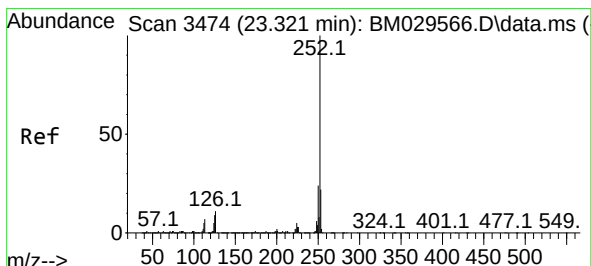
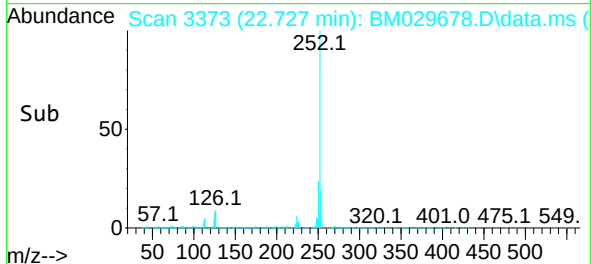
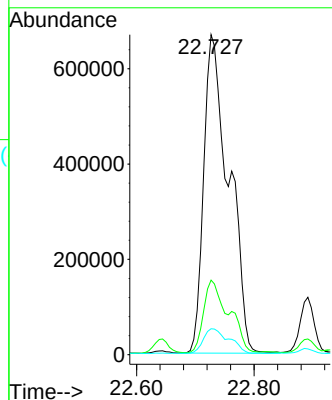
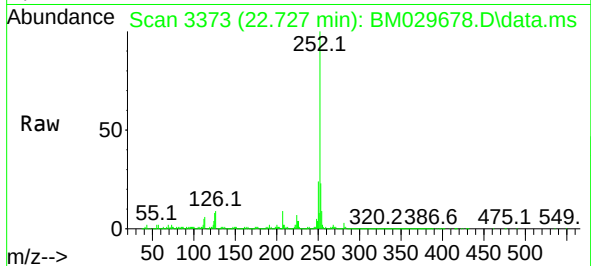




#89
Benzo(k)fluoranthene
Concen: 62.55 ng
RT: 22.727 min Scan# 3373
Delta R.T. -0.047 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

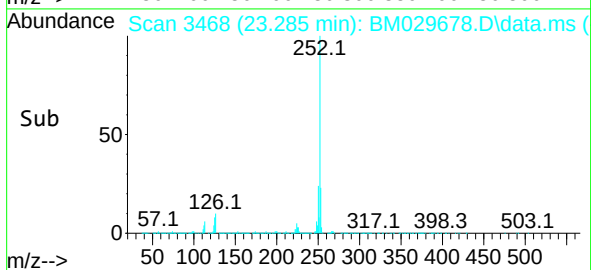
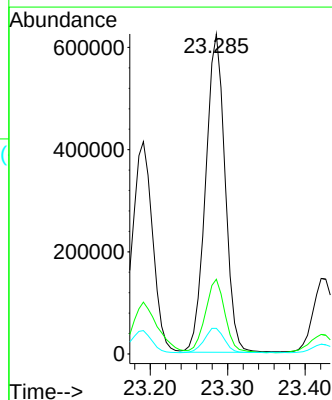
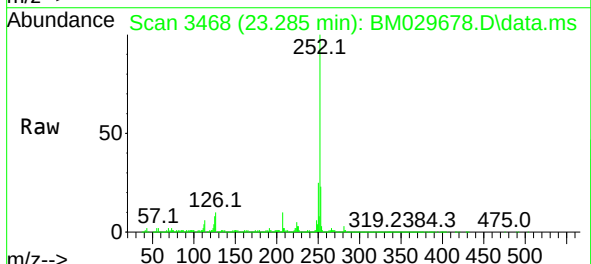
Instrument :
BNA_M
ClientSampleId :
DS-1

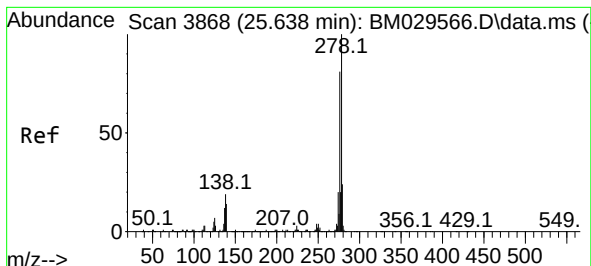
Tgt Ion:252 Resp: 1984543
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.1 6.2 9.2



#90
Benzo(a)pyrene
Concen: 36.40 ng
RT: 23.285 min Scan# 3468
Delta R.T. -0.000 min
Lab File: BM029678.D
Acq: 27 Apr 2021 17:51

Tgt Ion:252 Resp: 1081736
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 8.0 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 5.22 ng

RT: 25.821 min Scan# 3899

Delta R.T. 0.229 min

Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Instrument :

BNA_M

ClientSampleId :

DS-1

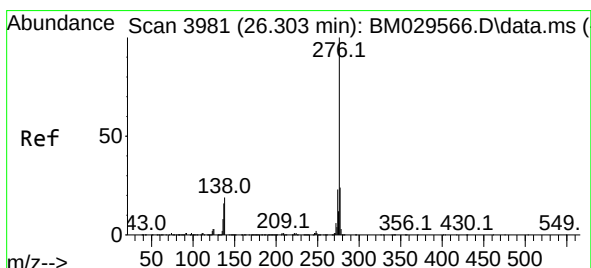
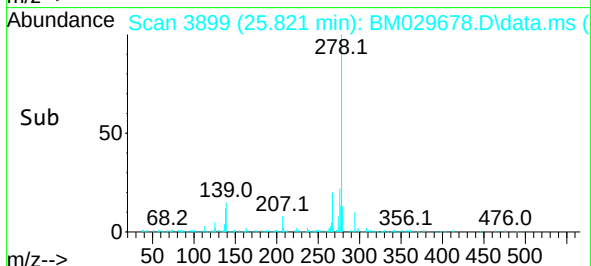
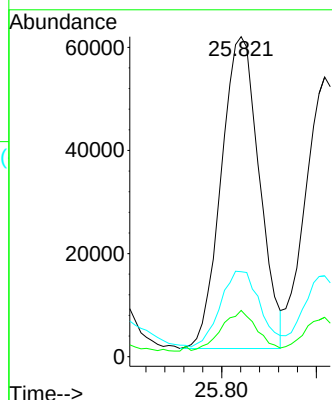
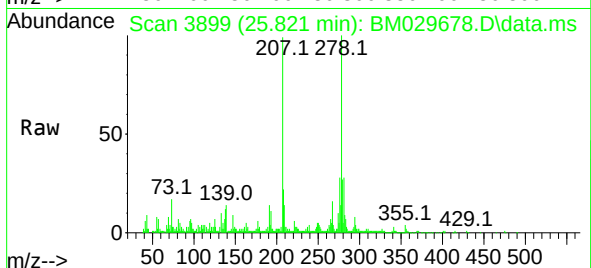
Tgt Ion:278 Resp: 168927

Ion Ratio Lower Upper

278 100

139 14.5 11.0 16.4

279 26.6 18.7 28.1



#92

Benzo(g,h,i)perylene

Concen: 24.32 ng

RT: 26.238 min Scan# 3970

Delta R.T. -0.012 min

Lab File: BM029678.D

Acq: 27 Apr 2021 17:51

Tgt Ion:276 Resp: 727702

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 16.2 14.4 21.6

