

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017678.D
 Acq On : 02 Dec 2021 09:27
 Operator : CG/JU
 Sample : M4895-10 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 02 09:58:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 02 01:51:49 2021
 Response via : Initial Calibration

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

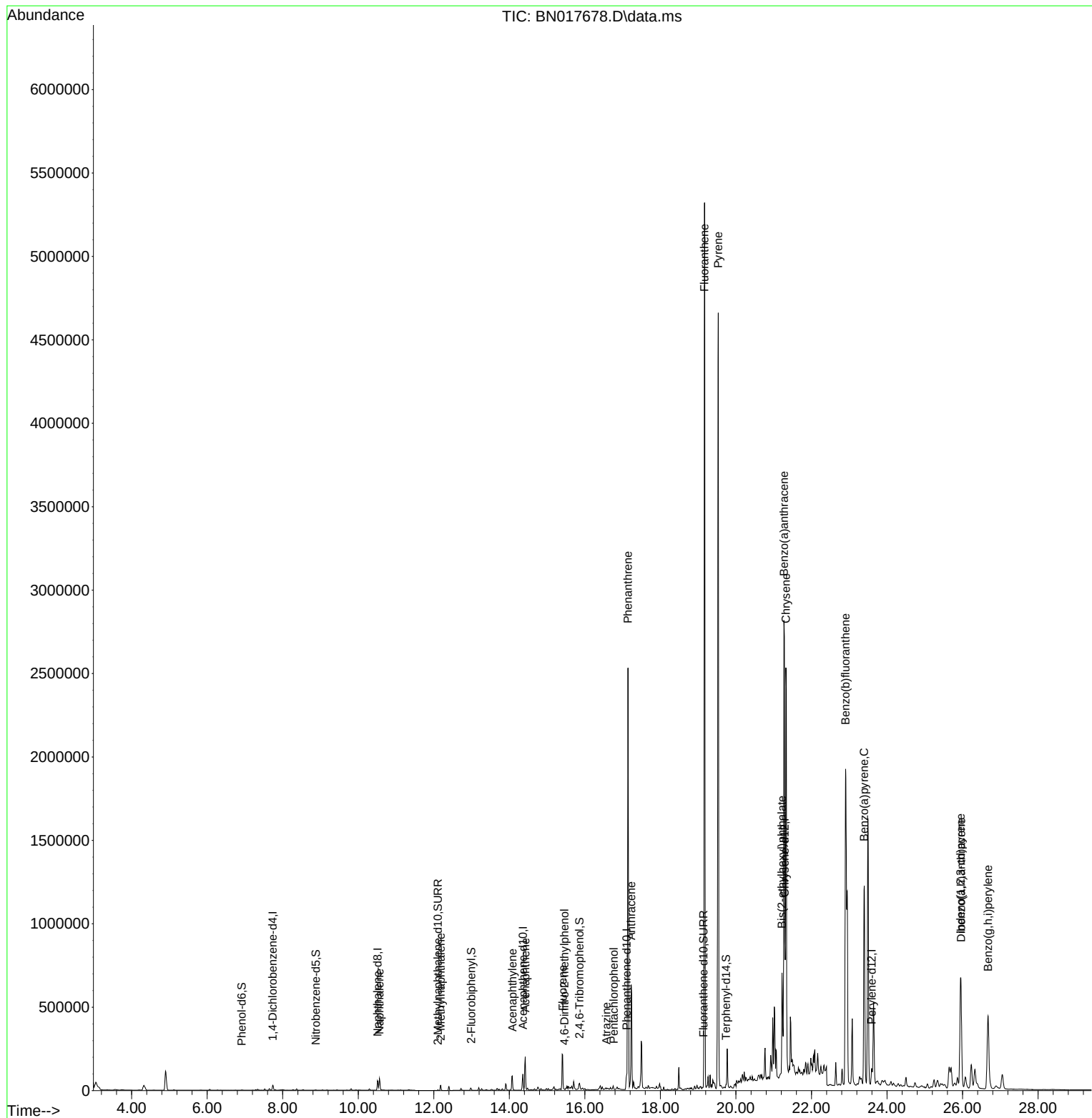
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	18574	0.400	ng	0.00
7) Naphthalene-d8	10.510	136	83347	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	56494	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	126845	0.400	ng	0.00
29) Chrysene-d12	21.293	240	128953	0.400	ng	# 0.01
35) Perylene-d12	23.595	264	131732	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	489	0.012	ng	0.00
5) Phenol-d6	6.915	99	1680	0.038	ng	0.00
8) Nitrobenzene-d5	8.875	82	2427	0.069	ng	0.00
11) 2-Methylnaphthalene-d10	12.107	152	5995	0.041	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	132	0.129	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	9425	0.043	ng	0.00
27) Fluoranthene-d10	19.139	212	16521	0.042	ng	0.00
31) Terphenyl-d14	19.740	244	17833	0.063	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.560	128	95255	0.453	ng	99
12) 2-Methylnaphthalene	12.182	142	23905	0.172	ng	97
16) Acenaphthylene	14.080	152	108502	0.492	ng	99
17) Acenaphthene	14.422	154	106281	0.698	ng	99
18) Fluorene	15.412	166	166138	0.898	ng	99
20) 4,6-Dinitro-2-methylph...	15.463	198	18	0.059	ng	# 1
23) Atrazine	16.569	200	133	0.133	ng	# 1
24) Pentachlorophenol	16.763	266	79	0.194	ng	# 86
25) Phenanthrene	17.141	178	2609684	7.501	ng	99
26) Anthracene	17.226	178	732214	2.449	ng	# 94
28) Fluoranthene	19.169	202	5094940	12.941	ng	# 96
30) Pyrene	19.531	202	4565739	10.968	ng	# 94
32) Benzo(a)anthracene	21.271	228	2928686	7.477	ng	97
33) Chrysene	21.324	228	2427443	5.697	ng	96
34) Bis(2-ethylhexyl)phtha...	21.218	149	651668	7.014	ng	97
36) Indeno(1,2,3-cd)pyrene	25.947	276	1166500	2.727	ng	# 90
37) Benzo(b)fluoranthene	22.904	252	3588902	8.216	ng	97
39) Benzo(a)pyrene	23.397	252	1754172	4.486	ng	96
40) Dibenzo(a,h)anthracene	25.961	278	293832	0.841	ng	96
41) Benzo(g,h,i)perylene	26.676	276	1031425	2.868	ng	# 93

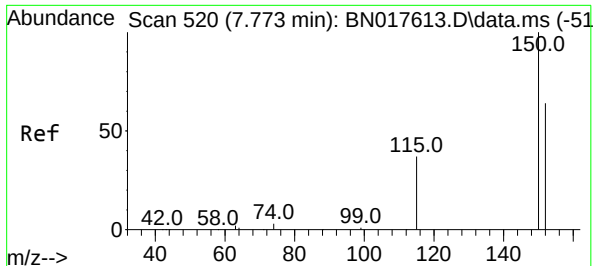
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
Data File : BN017678.D
Acq On : 02 Dec 2021 09:27
Operator : CG/JU
Sample : M4895-10 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

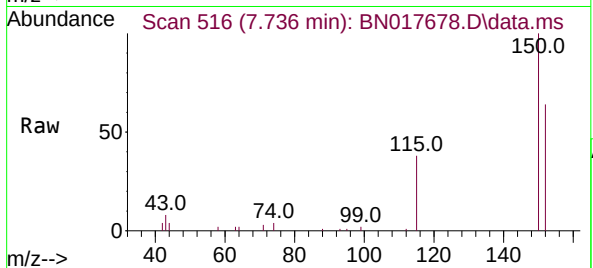
Quant Time: Dec 02 09:58:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 02 01:51:49 2021
Response via : Initial Calibration



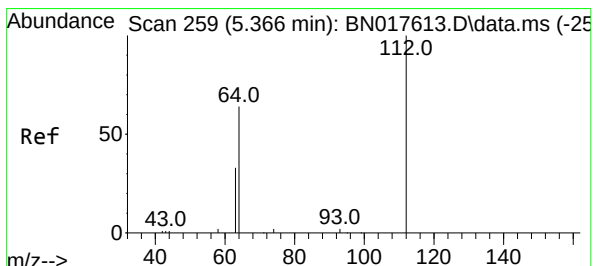
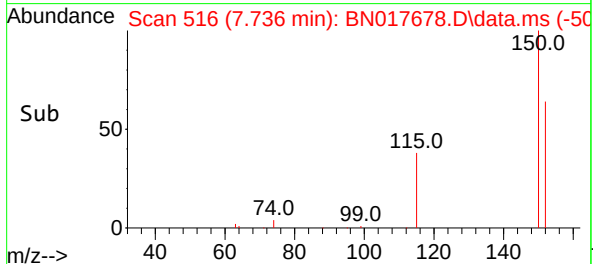
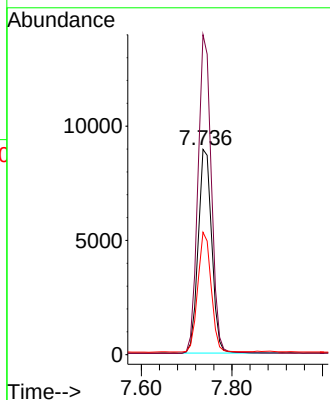


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Instrument :
BNA_N
ClientSampleId :

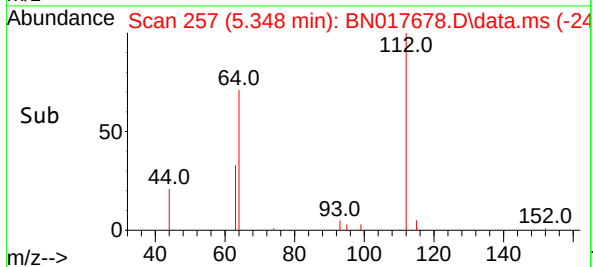
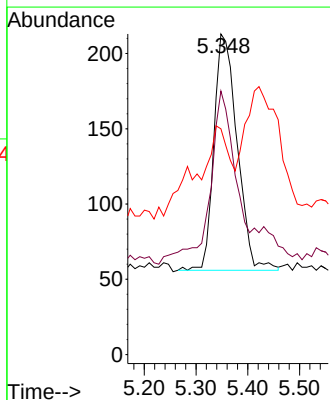
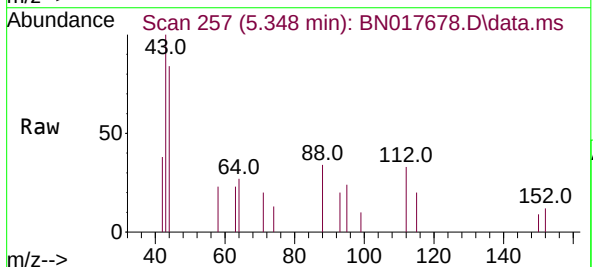


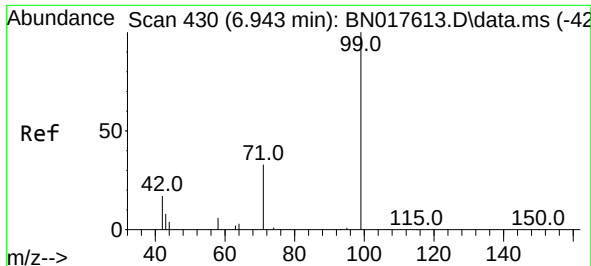
Tgt Ion:152 Resp: 18574
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 59.6 45.6 68.4



#4
2-Fluorophenol
Concen: 0.012 ng
RT: 5.348 min Scan# 257
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

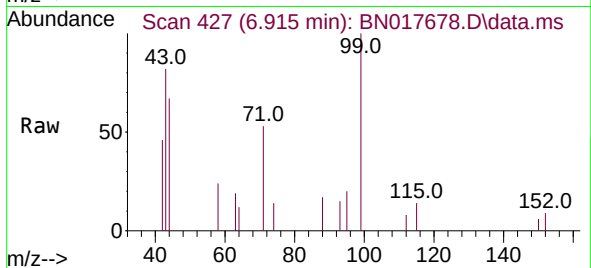
Tgt Ion:112 Resp: 489
Ion Ratio Lower Upper
112 100
64 72.6 47.6 71.4#
63 15.5 24.6 37.0#



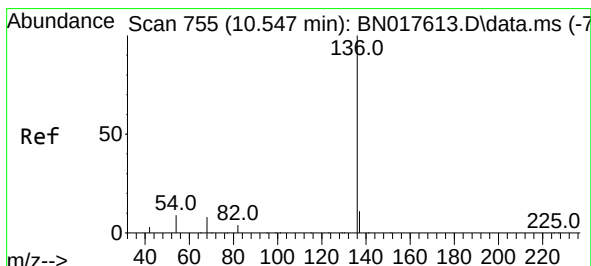
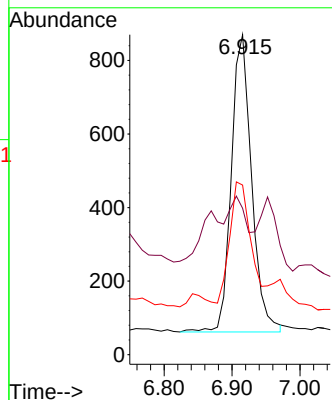
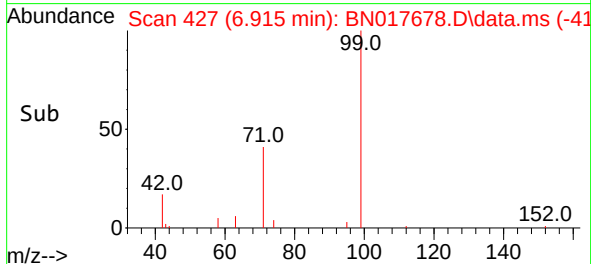


#5
Phenol-d6
Concen: 0.038 ng
RT: 6.915 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

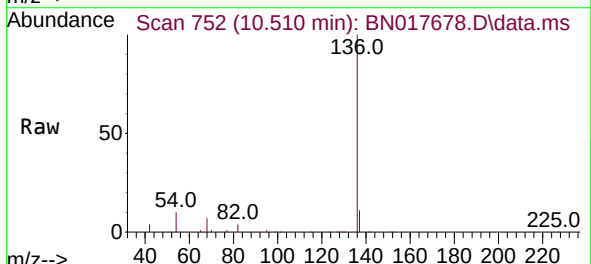
Instrument :
BNA_N
ClientSampleId :



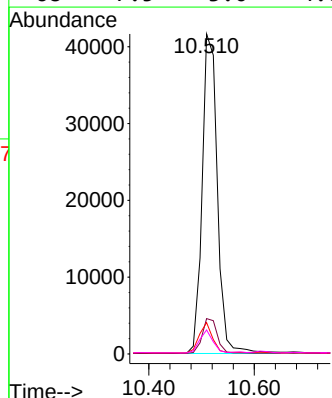
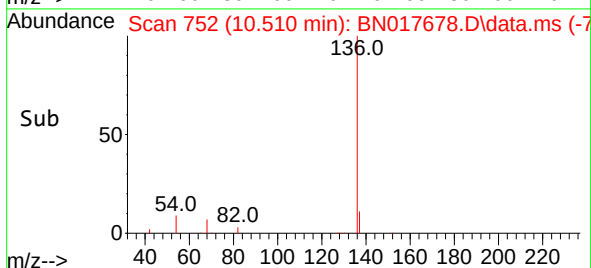
Tgt Ion: 99 Resp: 1680
Ion Ratio Lower Upper
99 100
42 14.6 17.0 25.6#
71 42.8 24.8 37.2#

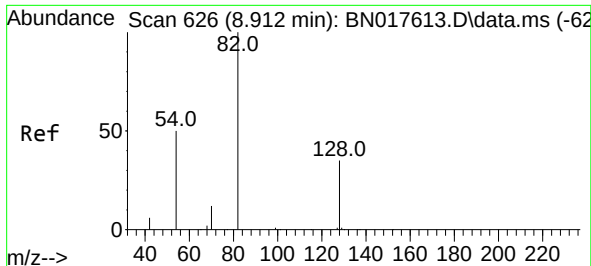


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27



Tgt Ion: 136 Resp: 83347
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.8 4.0 6.0#
68 7.5 3.0 4.6#

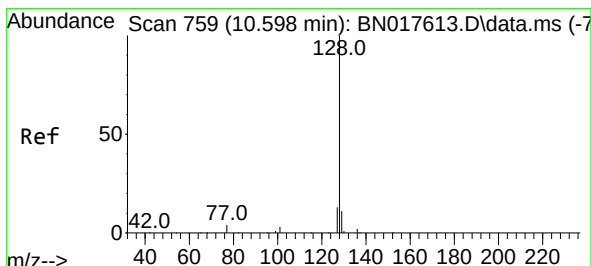
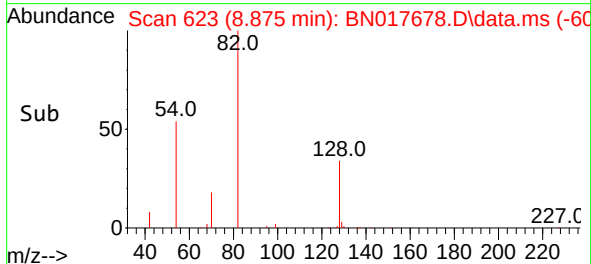
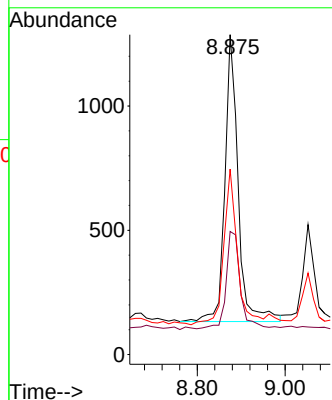
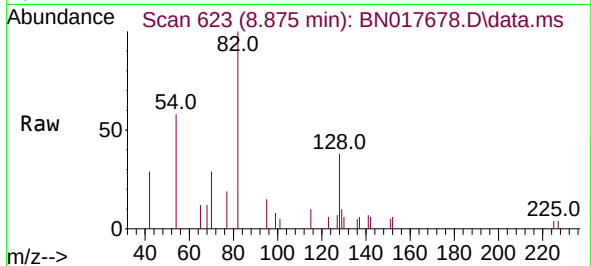




#8
Nitrobenzene-d5
Concen: 0.069 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

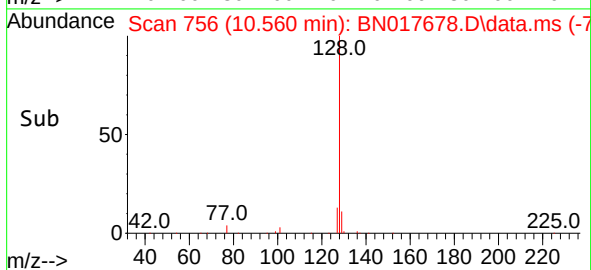
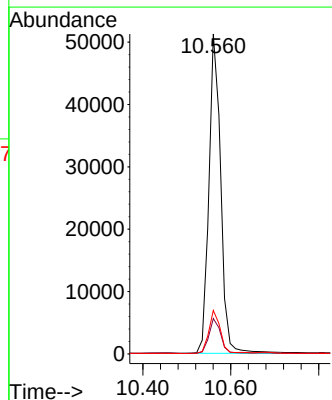
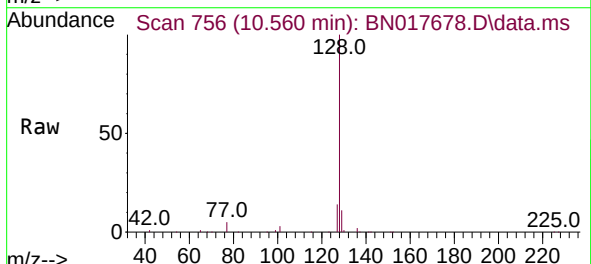
Instrument :
BNA_N
ClientSampleId :

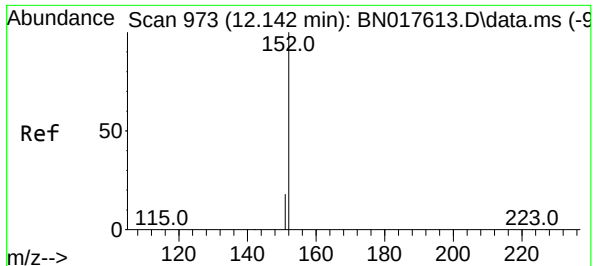
Tgt Ion: 82 Resp: 2427
Ion Ratio Lower Upper
82 100
128 38.5 27.7 41.5
54 58.0 49.2 73.8



#9
Naphthalene
Concen: 0.453 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion: 128 Resp: 95255
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.6 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.041 ng

RT: 12.107 min Scan# 90

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

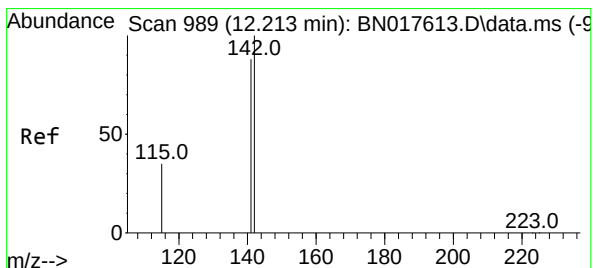
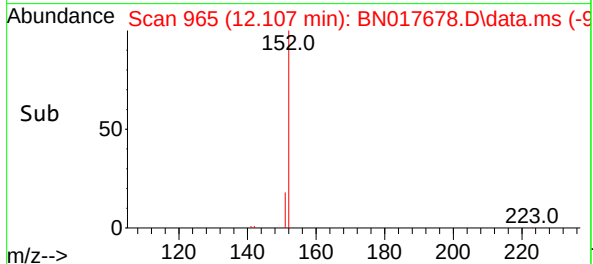
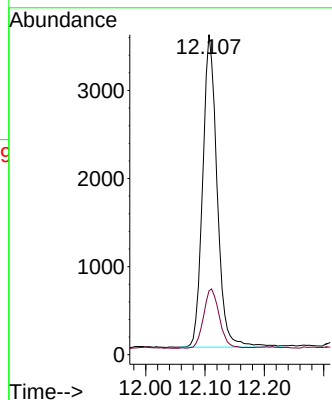
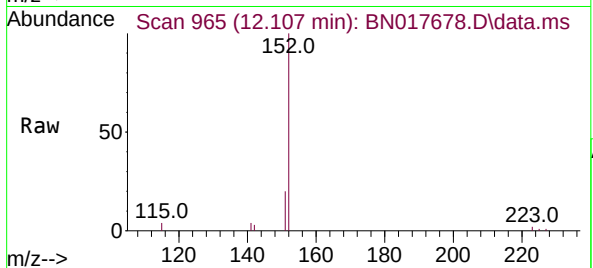
ClientSampleId :

Tgt Ion:152 Resp: 5995

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.172 ng

RT: 12.182 min Scan# 982

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

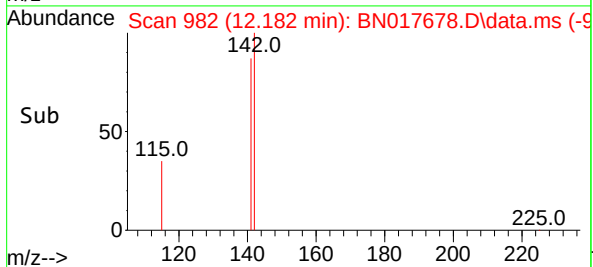
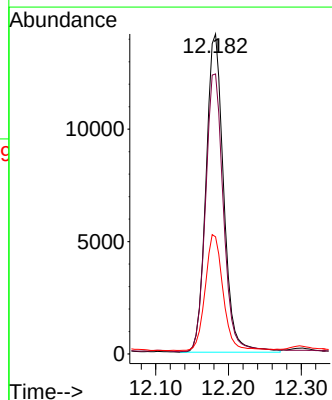
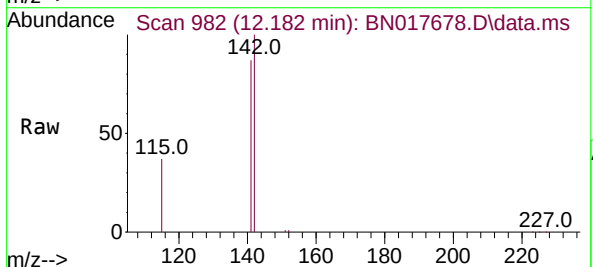
Tgt Ion:142 Resp: 23905

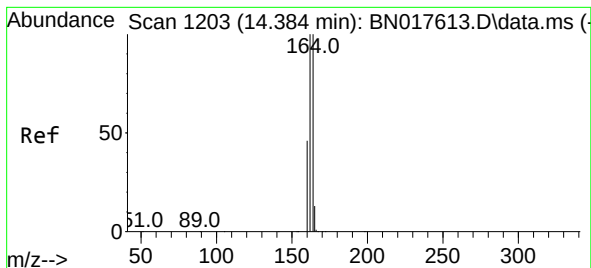
Ion Ratio Lower Upper

142 100

141 87.5 70.6 106.0

115 36.6 25.8 38.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.359 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

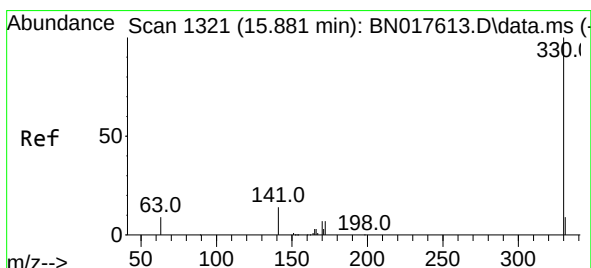
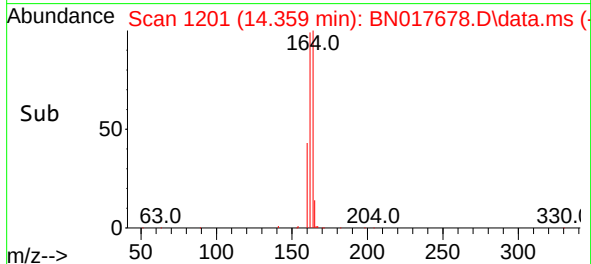
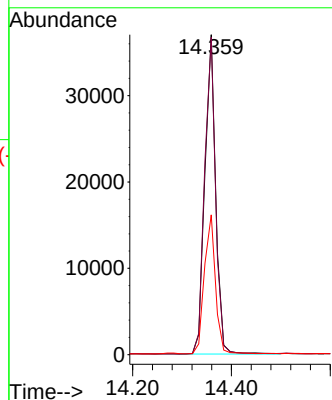
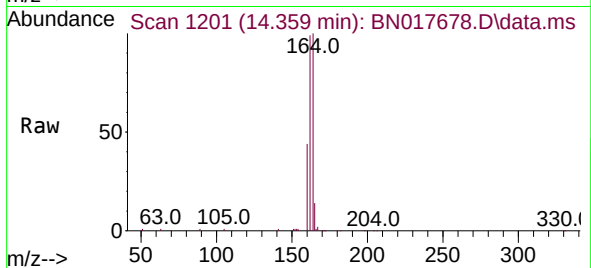
Tgt Ion:164 Resp: 56494

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.2

160 43.7 36.8 55.2



#14

2,4,6-Tribromophenol

Concen: 0.129 ng

RT: 15.856 min Scan# 1319

Delta R.T. 0.013 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

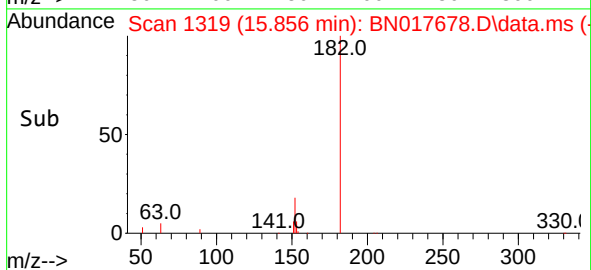
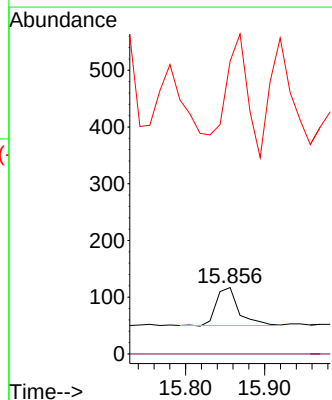
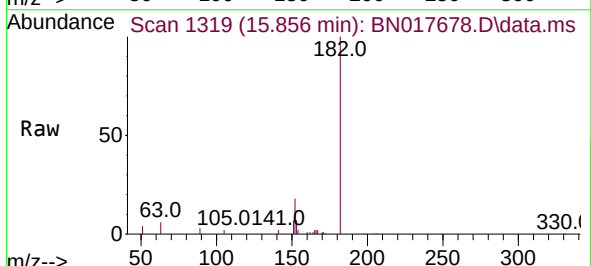
Tgt Ion:330 Resp: 132

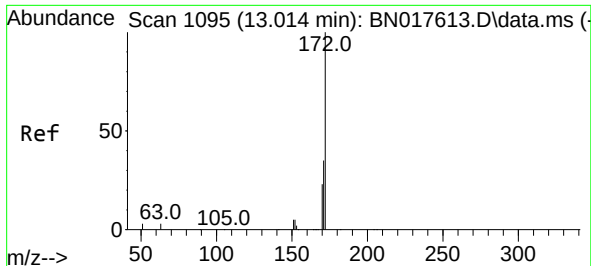
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 303.0 28.9 43.3#





#15

2-Fluorobiphenyl

Concen: 0.043 ng

RT: 12.989 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

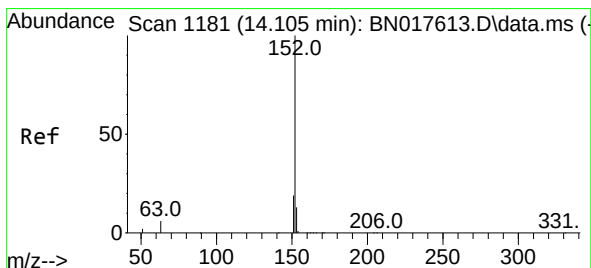
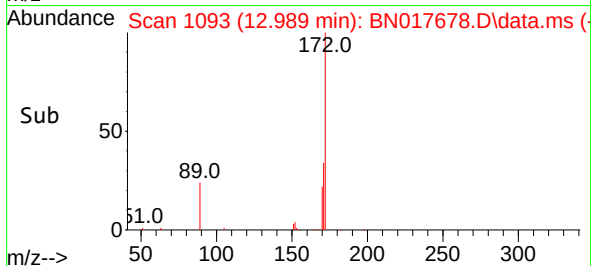
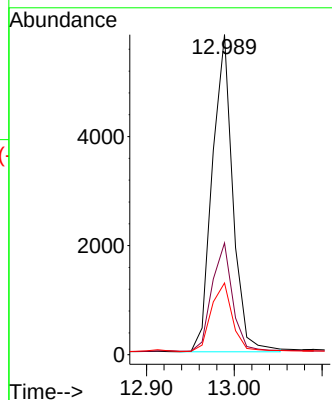
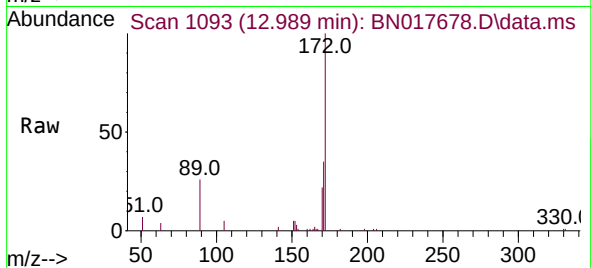
Tgt Ion:172 Resp: 9425

Ion Ratio Lower Upper

172 100

171 34.9 28.7 43.1

170 22.4 19.4 29.2



#16

Acenaphthylene

Concen: 0.492 ng

RT: 14.080 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

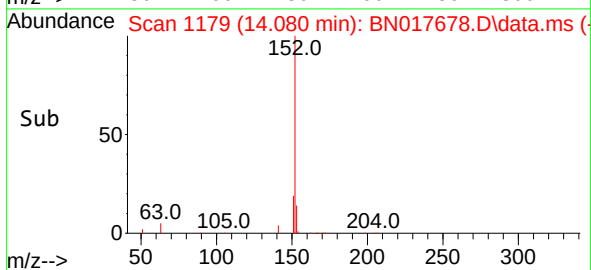
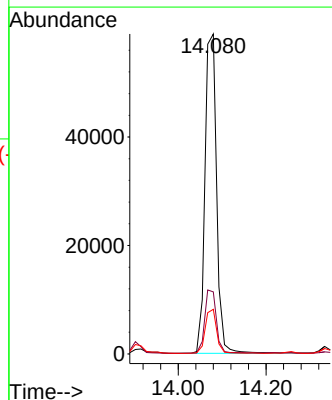
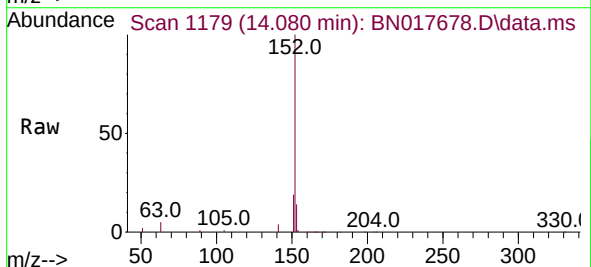
Tgt Ion:152 Resp: 108502

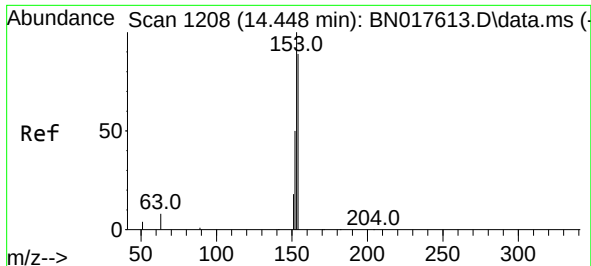
Ion Ratio Lower Upper

152 100

151 20.0 15.5 23.3

153 13.6 10.4 15.6

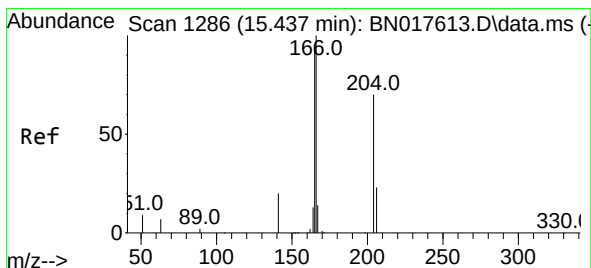
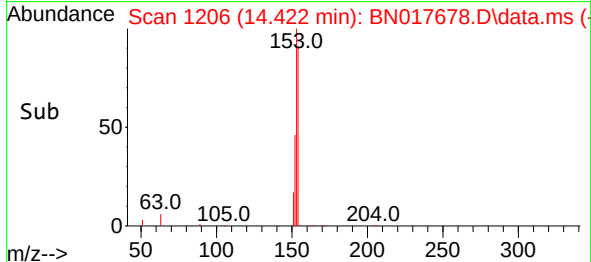
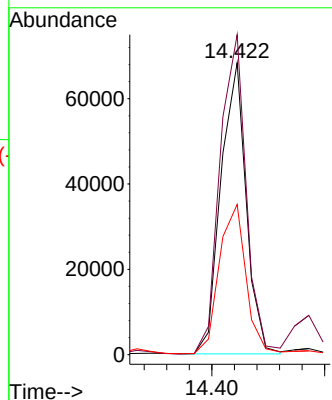
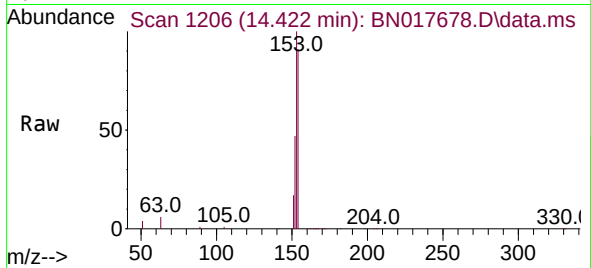




#17
Acenaphthene
Concen: 0.698 ng
RT: 14.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

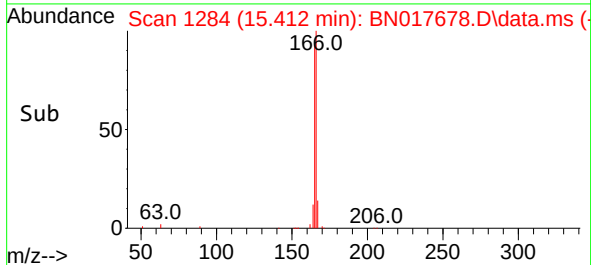
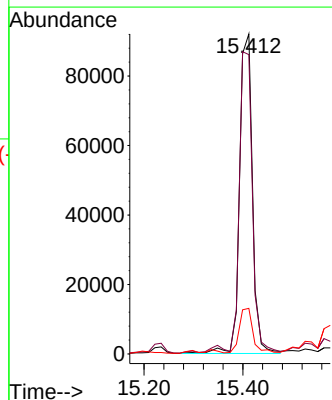
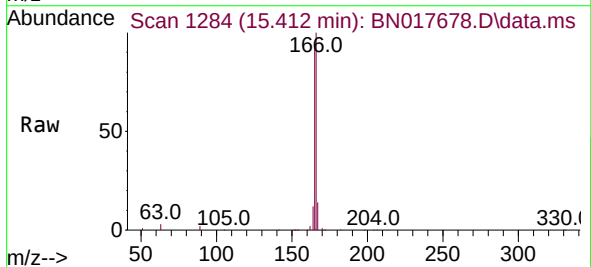
Instrument :
BNA_N
ClientSampleId :

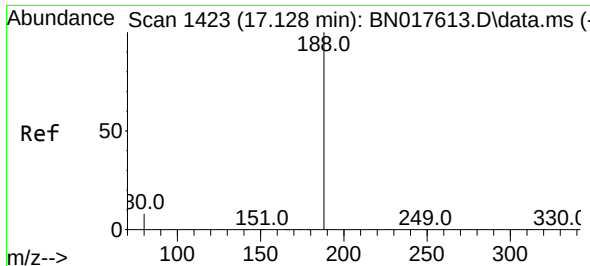
Tgt Ion:154 Resp: 106281
Ion Ratio Lower Upper
154 100
153 113.3 91.2 136.8
152 55.2 44.3 66.5



#18
Fluorene
Concen: 0.898 ng
RT: 15.412 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:166 Resp: 166138
Ion Ratio Lower Upper
166 100
165 98.5 77.9 116.9
167 14.7 10.9 16.3

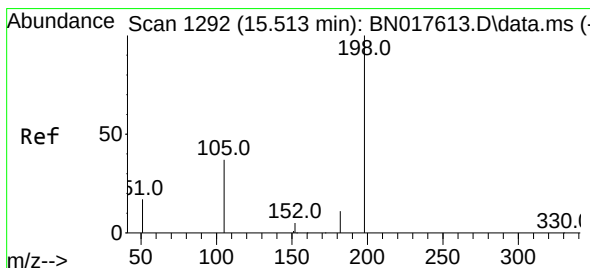
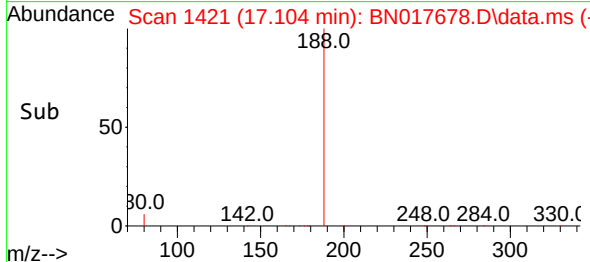
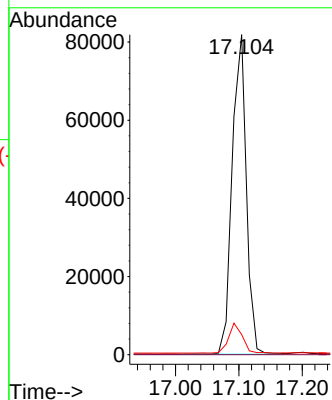
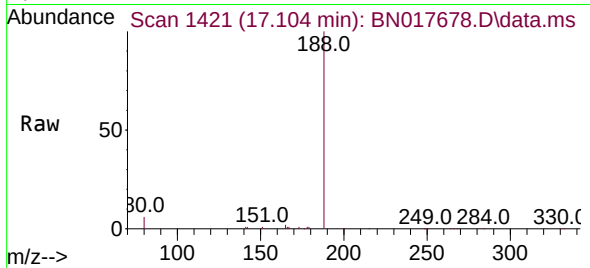




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

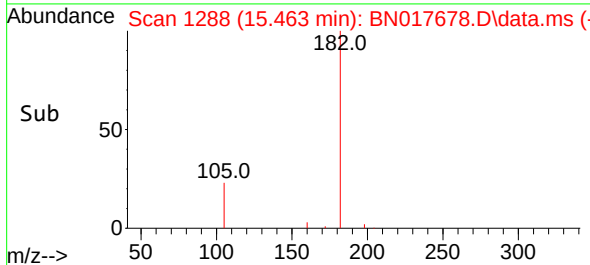
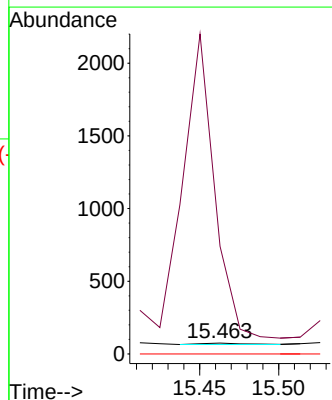
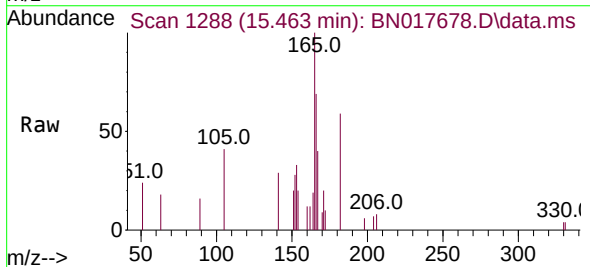
Instrument :
BNA_N
ClientSampleId :

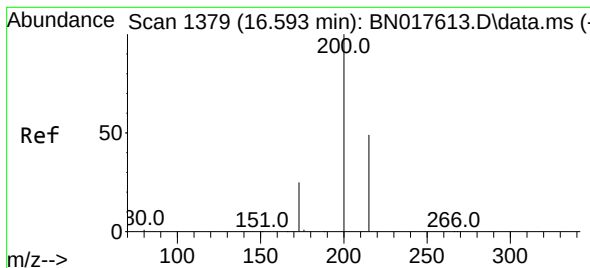
Tgt Ion:188 Resp: 126845
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 6.1 9.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.059 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.025 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
182 988.0 11.4 17.2#
77 0.0 0.0 0.0





#23

Atrazine

Concen: 0.133 ng

RT: 16.569 min Scan# 1377

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

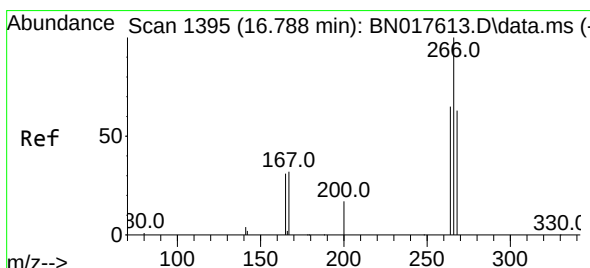
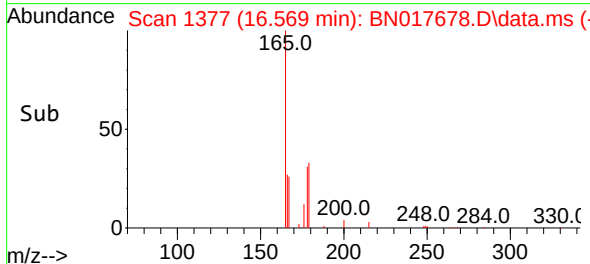
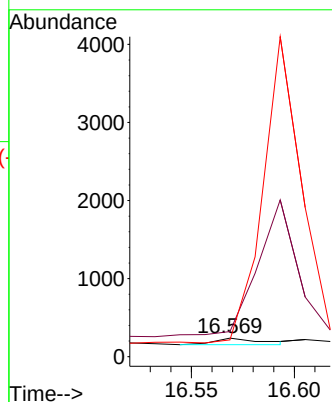
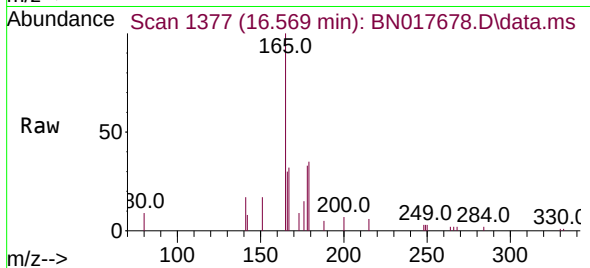
Tgt Ion:200 Resp: 133

Ion Ratio Lower Upper

200 100

173 135.9 17.6 26.4#

215 90.7 40.2 60.4#



#24

Pentachlorophenol

Concen: 0.194 ng

RT: 16.763 min Scan# 1393

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

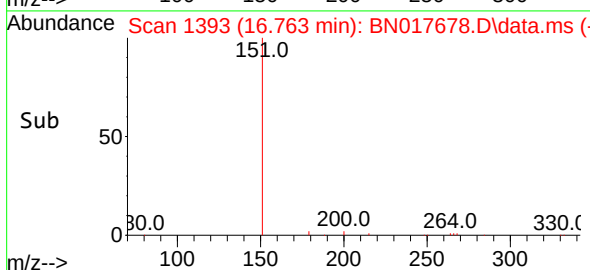
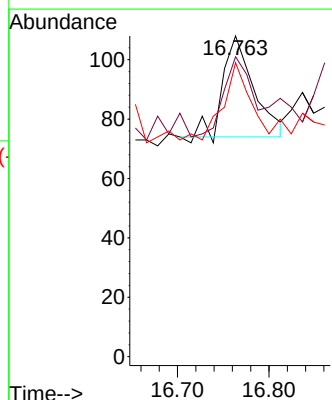
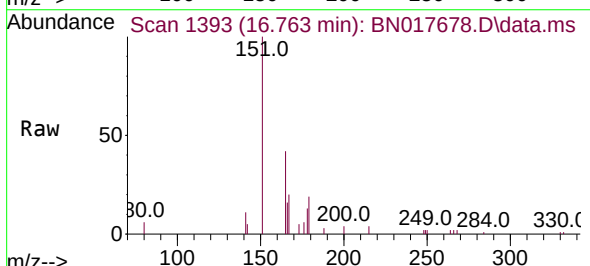
Tgt Ion:266 Resp: 79

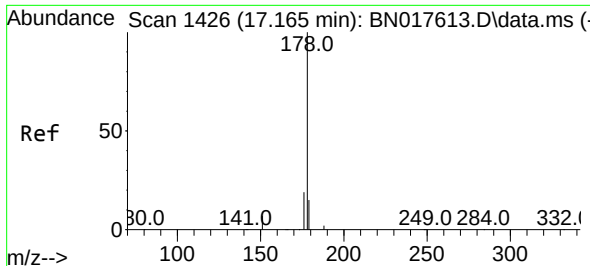
Ion Ratio Lower Upper

266 100

264 81.0 49.8 74.8#

268 67.1 51.3 76.9

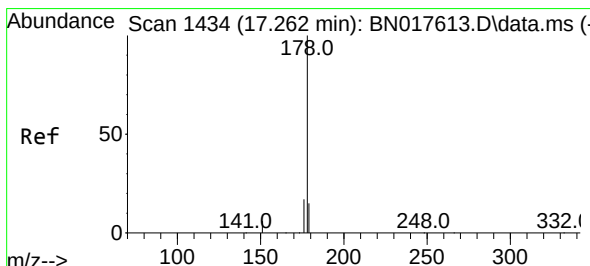
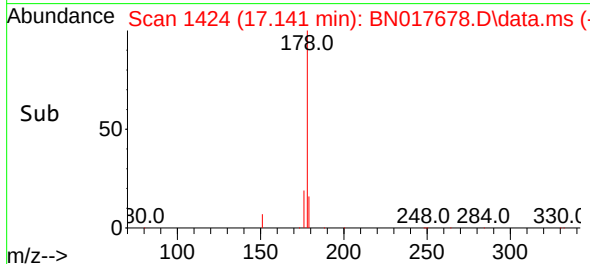
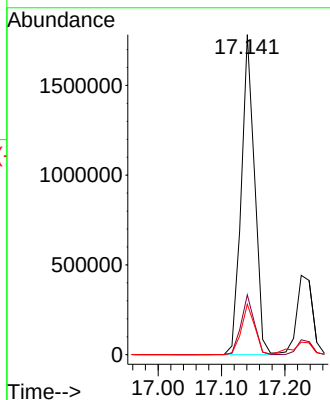
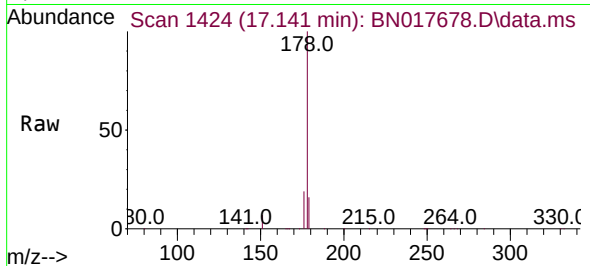




#25
Phenanthrene
Concen: 7.501 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

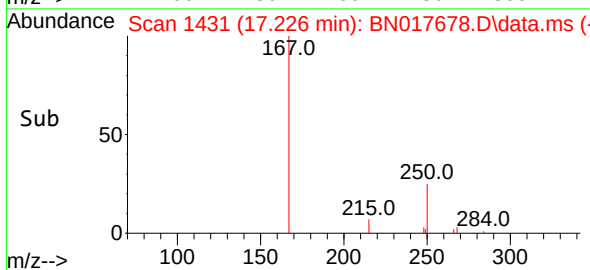
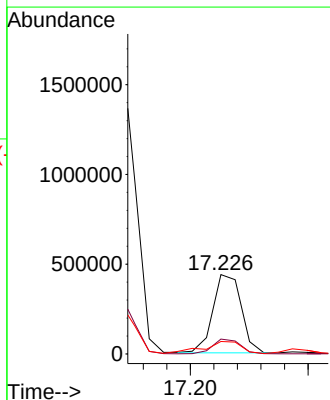
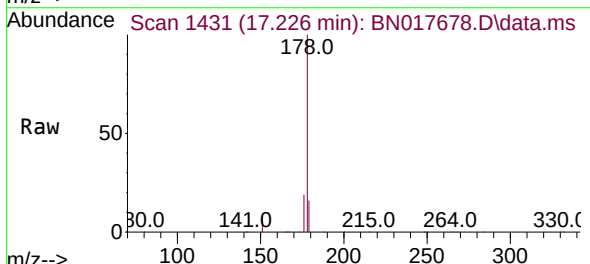
Instrument :
BNA_N
ClientSampleId :

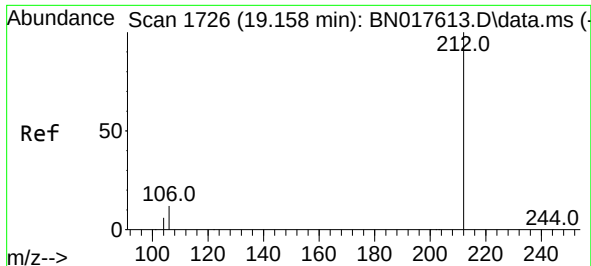
Tgt Ion:178 Resp: 2609684
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.8 12.3 18.5



#26
Anthracene
Concen: 2.449 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:178 Resp: 732214
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 20.3 12.2 18.4#

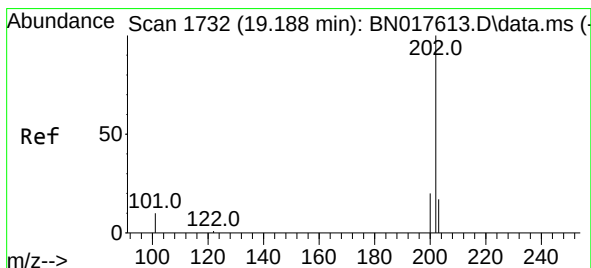
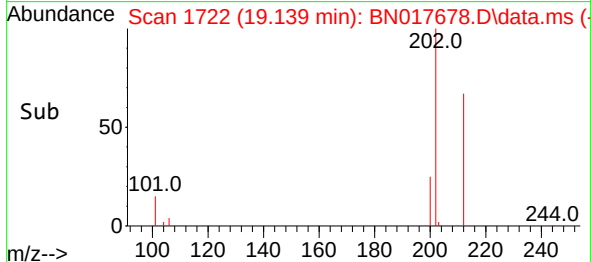
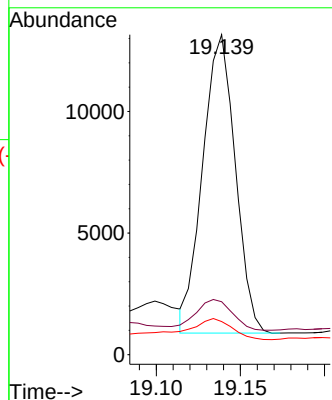
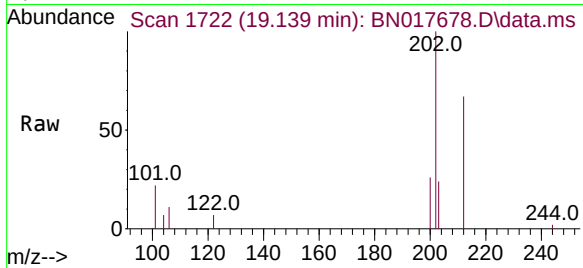




#27
Fluoranthene-d10
Concen: 0.042 ng
RT: 19.139 min Scan# 1722
Delta R.T. 0.005 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

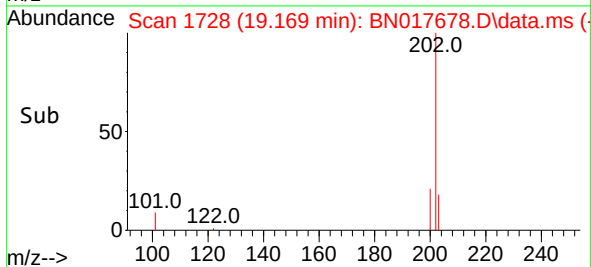
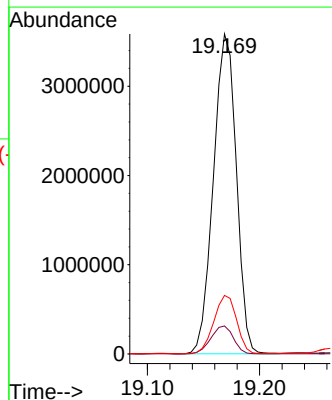
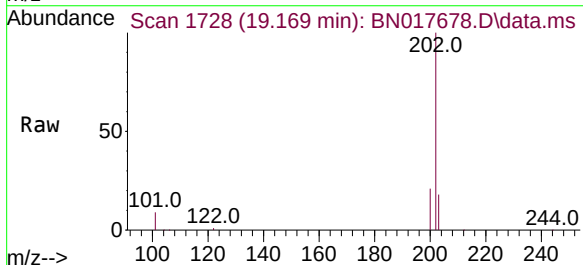
Instrument :
BNA_N
ClientSampleId :

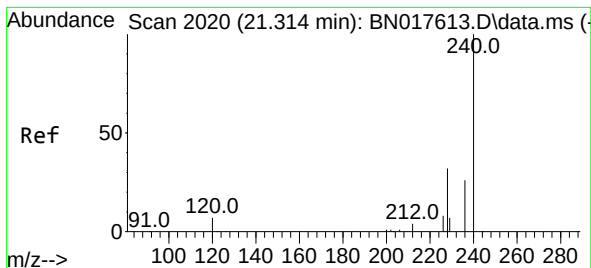
Tgt Ion:212 Resp: 16521
Ion Ratio Lower Upper
212 100
106 11.5 10.5 15.7
104 11.5 5.8 8.6#



#28
Fluoranthene
Concen: 12.941 ng
RT: 19.169 min Scan# 1728
Delta R.T. 0.005 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:202 Resp: 5094940
Ion Ratio Lower Upper
202 100
101 8.6 8.9 13.3#
203 18.1 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.293 min Scan# 20

Delta R.T. 0.011 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

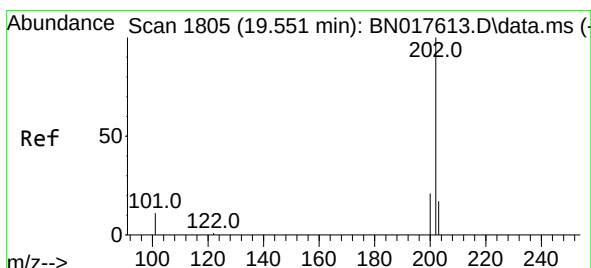
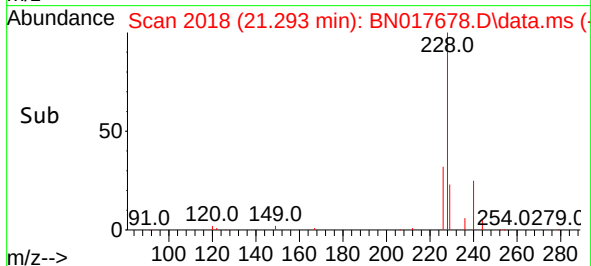
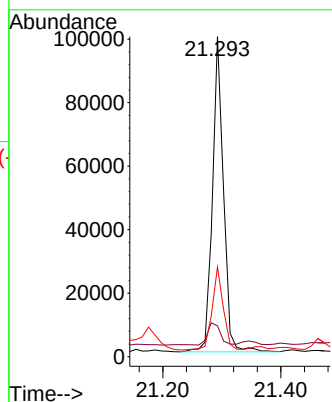
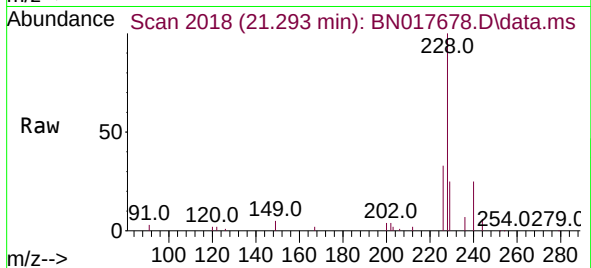
Tgt Ion:240 Resp: 128953

Ion Ratio Lower Upper

240 100

120 9.7 4.2 6.2#

236 28.1 20.0 30.0



#30

Pyrene

Concen: 10.968 ng

RT: 19.531 min Scan# 1801

Delta R.T. 0.005 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

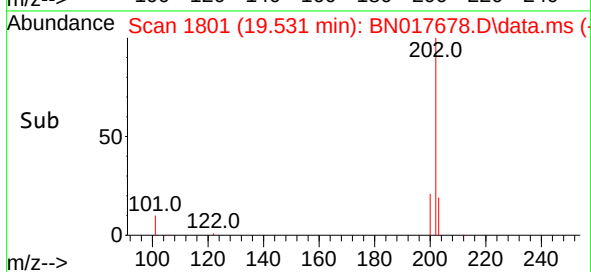
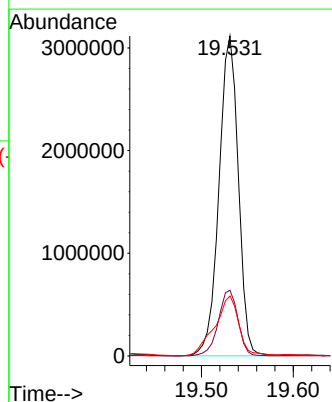
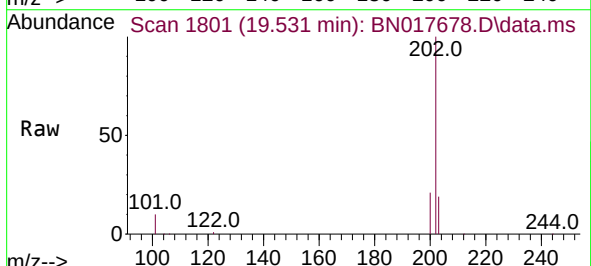
Tgt Ion:202 Resp: 4565739

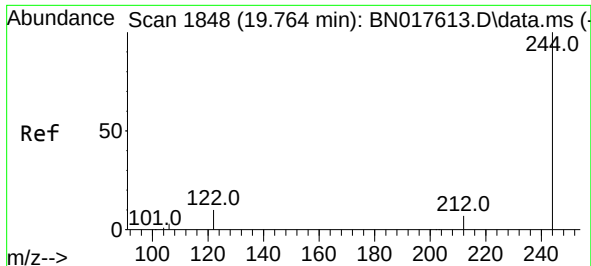
Ion Ratio Lower Upper

202 100

200 20.9 16.5 24.7

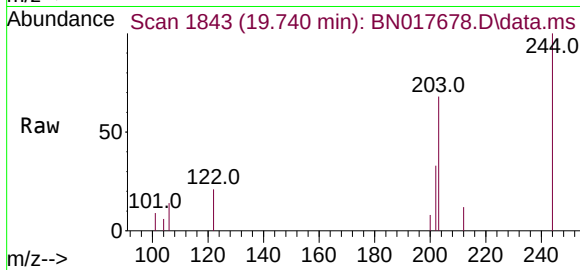
203 23.2 14.0 21.0#



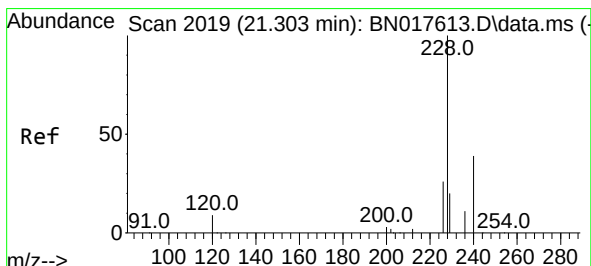
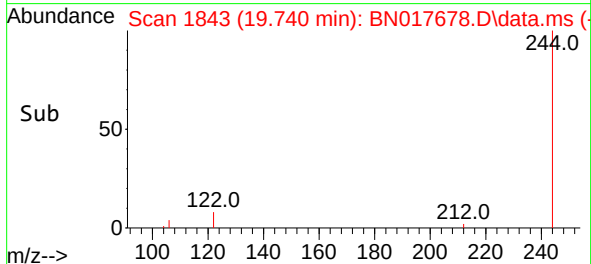
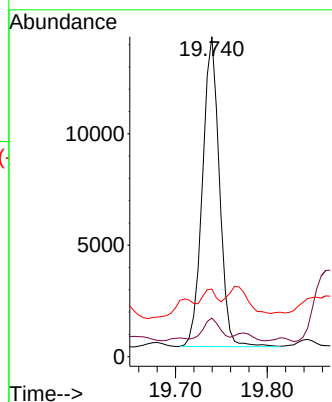


#31
 Terphenyl-d14
 Concen: 0.063 ng
 RT: 19.740 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN017678.D
 Acq: 02 Dec 2021 09:27

Instrument :
 BNA_N
 ClientSampleId :

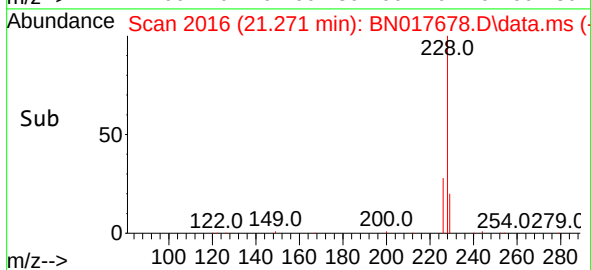
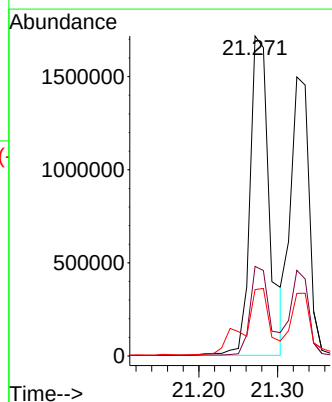
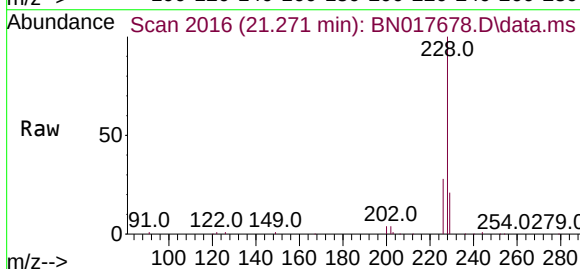


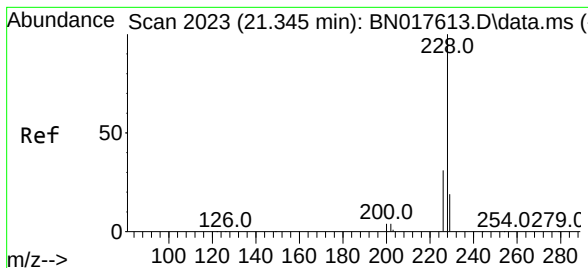
Tgt Ion:244 Resp: 17833
 Ion Ratio Lower Upper
 244 100
 212 12.1 5.7 8.5#
 122 21.1 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 7.477 ng
 RT: 21.271 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BN017678.D
 Acq: 02 Dec 2021 09:27

Tgt Ion:228 Resp: 2928686
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.3 31.9
 229 20.7 15.7 23.5





#33

Chrysene

Concen: 5.697 ng

RT: 21.324 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

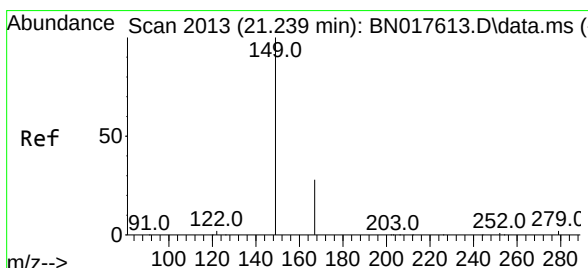
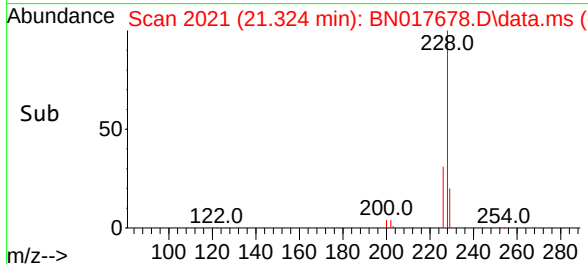
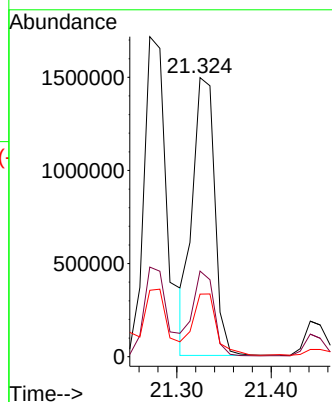
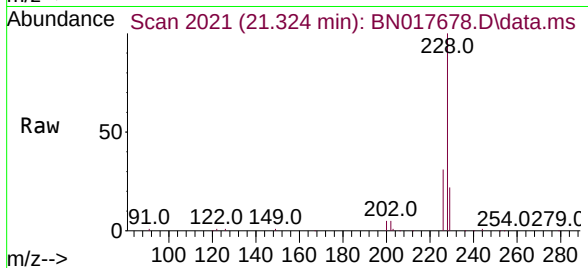
Tgt Ion:228 Resp: 2427443

Ion Ratio Lower Upper

228 100

226 30.7 23.3 34.9

229 22.4 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 7.014 ng

RT: 21.218 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

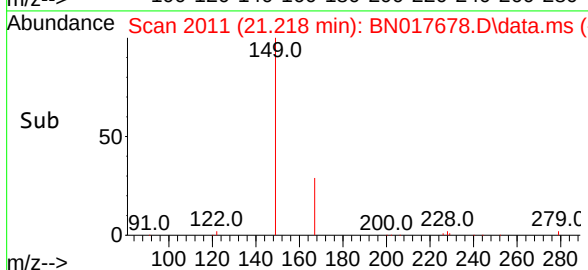
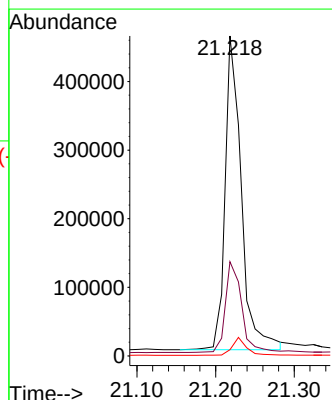
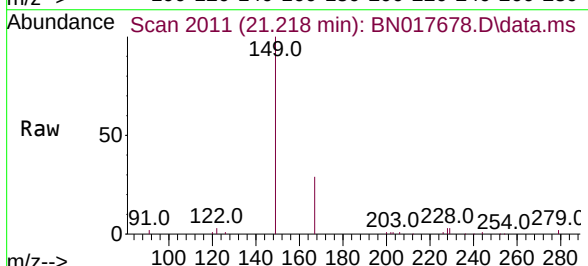
Tgt Ion:149 Resp: 651668

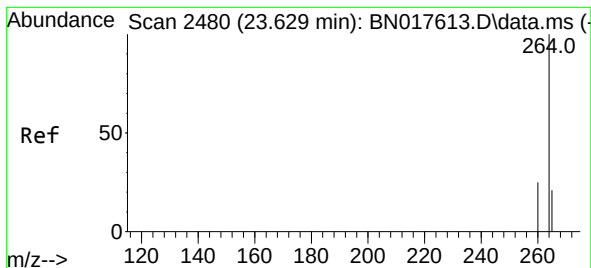
Ion Ratio Lower Upper

149 100

167 29.0 21.8 32.6

279 5.0 3.4 5.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.595 min Scan# 24

Delta R.T. 0.014 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :

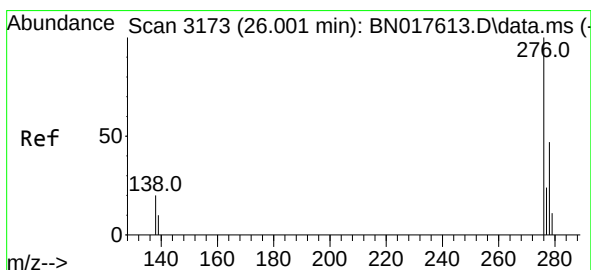
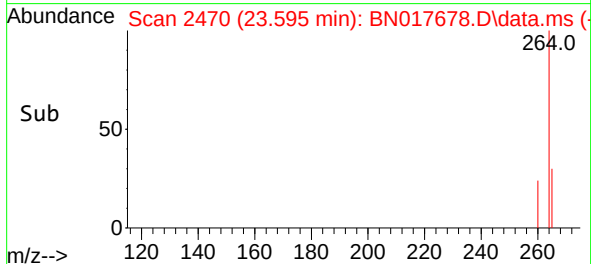
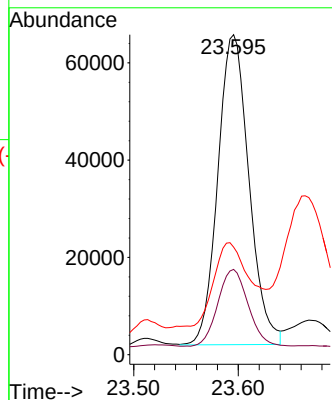
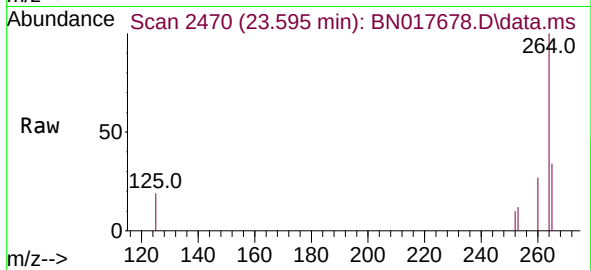
Tgt Ion:264 Resp: 131732

Ion Ratio Lower Upper

264 100

260 26.7 19.4 29.2

265 33.6 18.6 28.0#



#36

Indeno(1,2,3-cd)pyrene

Concen: 2.727 ng

RT: 25.947 min Scan# 3157

Delta R.T. 0.007 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

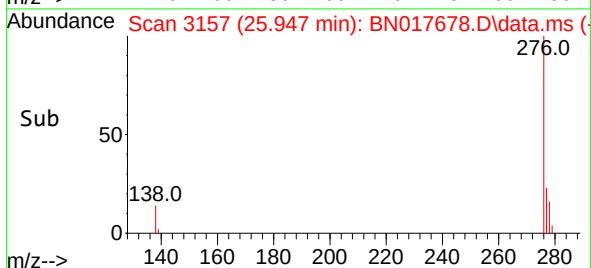
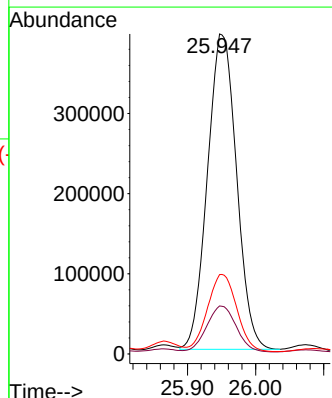
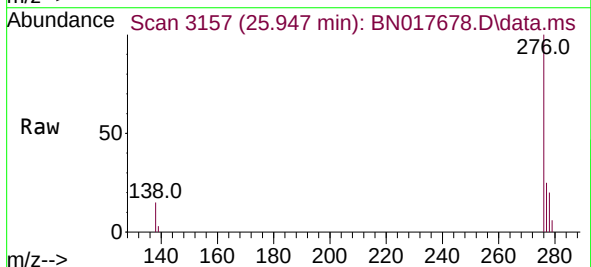
Tgt Ion:276 Resp: 1166500

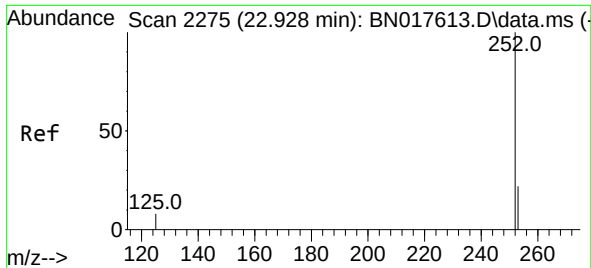
Ion Ratio Lower Upper

276 100

138 14.7 19.7 29.5#

277 24.7 20.0 30.0

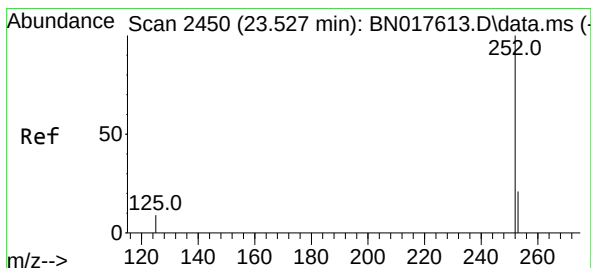
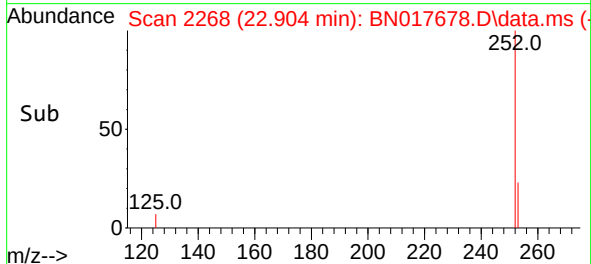
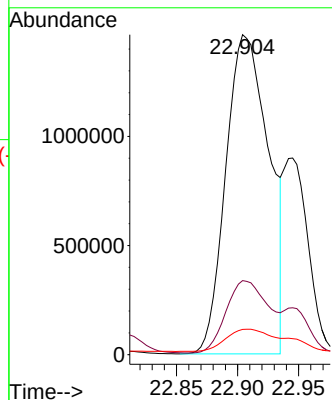
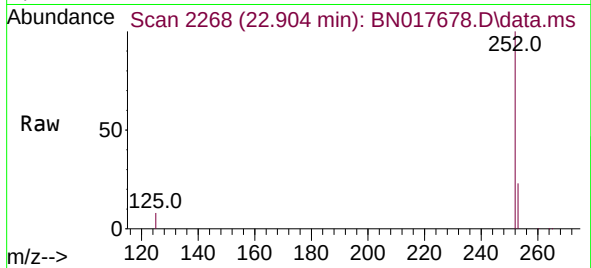




#37
Benzo(b)fluoranthene
Concen: 8.216 ng
RT: 22.904 min Scan# 2112
Delta R.T. 0.017 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

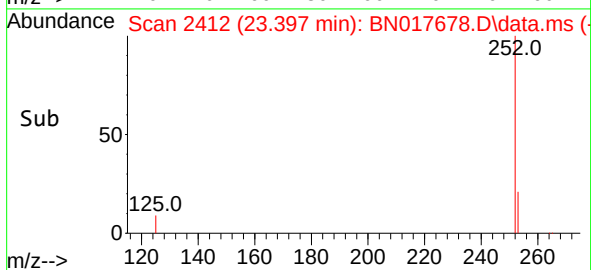
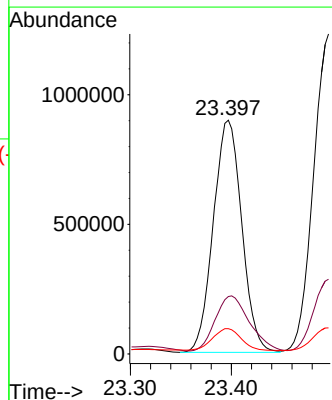
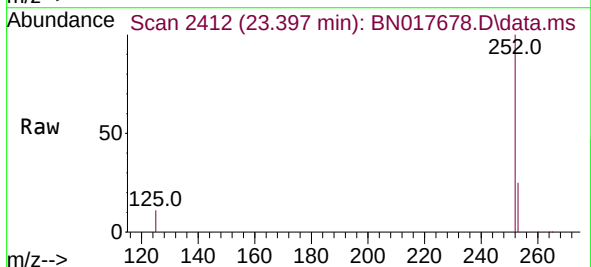
Instrument :
BNA_N
ClientSampleId :

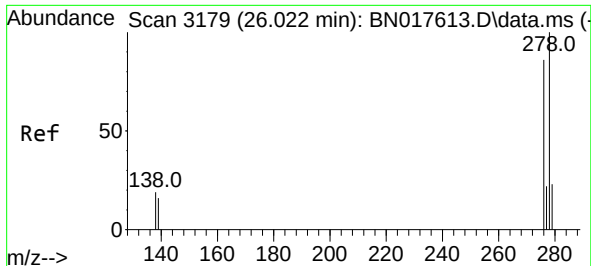
Tgt Ion:252 Resp: 3588902
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.9 7.8 11.8



#39
Benzo(a)pyrene
Concen: 4.486 ng
RT: 23.397 min Scan# 2412
Delta R.T. -0.082 min
Lab File: BN017678.D
Acq: 02 Dec 2021 09:27

Tgt Ion:252 Resp: 1754172
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 10.9 9.2 13.8





#40

Dibenzo(a,h)anthracene

Concen: 0.841 ng

RT: 25.961 min Scan# 3179

Delta R.T. 0.007 min

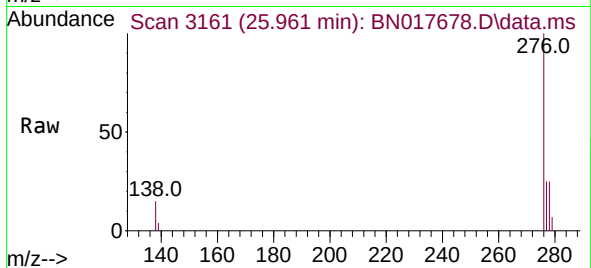
Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Instrument :

BNA_N

ClientSampleId :



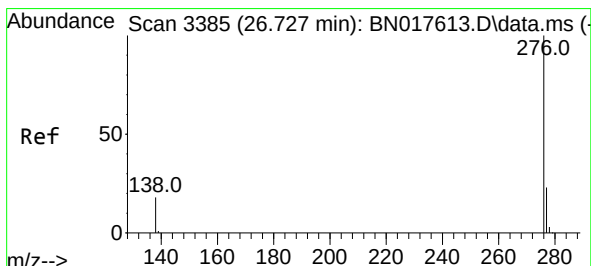
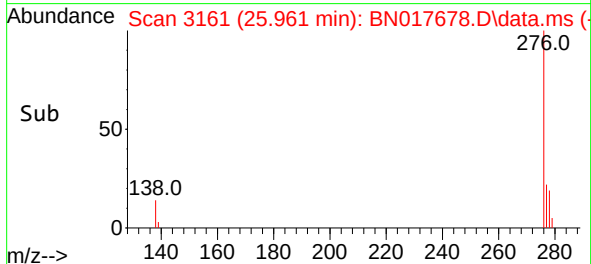
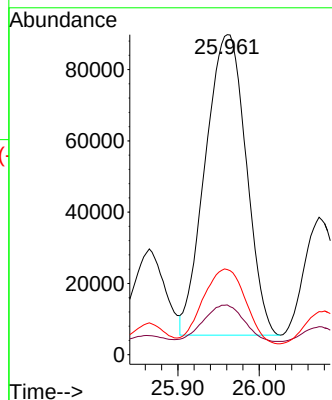
Tgt Ion:278 Resp: 293832

Ion Ratio Lower Upper

278 100

139 15.5 13.0 19.6

279 26.6 19.2 28.8



#41

Benzo(g,h,i)perylene

Concen: 2.868 ng

RT: 26.676 min Scan# 3370

Delta R.T. 0.021 min

Lab File: BN017678.D

Acq: 02 Dec 2021 09:27

Tgt Ion:276 Resp: 1031425

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 15.1 17.1 25.7#

