

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
 Data File : BN017641.D
 Acq On : 01 Dec 2021 09:10
 Operator : CG/JU
 Sample : M4862-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-6A

Quant Time: Dec 01 09:52:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 30 18:26:44 2021
 Response via : Initial Calibration

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

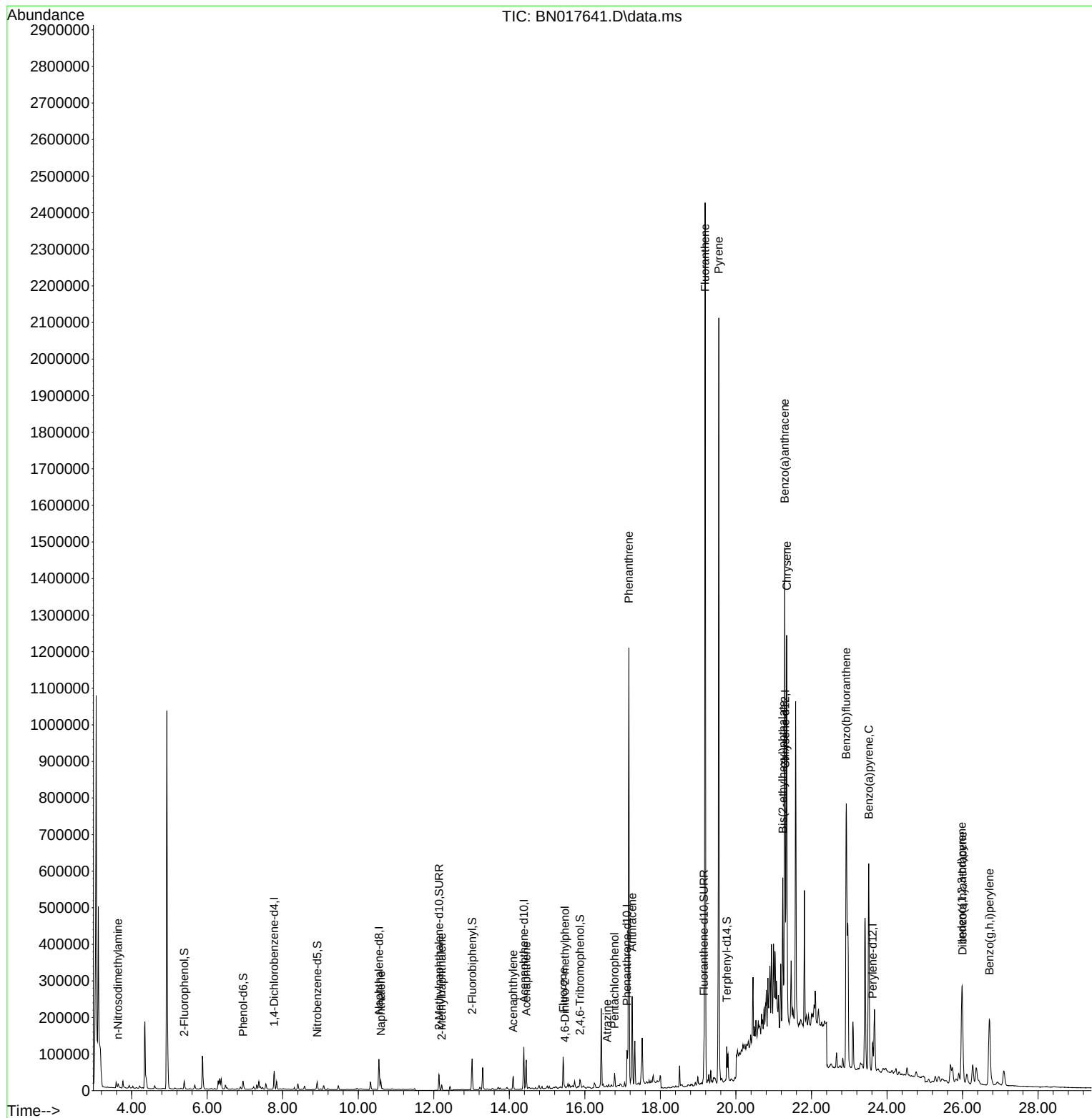
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.773	152	25375	0.400	ng	0.00
7) Naphthalene-d8	10.547	136	108652	0.400	ng	# 0.00
13) Acenaphthene-d10	14.384	164	66976	0.400	ng	0.00
19) Phenanthrene-d10	17.116	188	134320	0.400	ng	#-0.01
29) Chrysene-d12	21.303	240	111333	0.400	ng	#-0.01
35) Perylene-d12	23.619	264	108179	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.394	112	18267	0.317	ng	0.03
5) Phenol-d6	6.952	99	21859	0.359	ng	0.00
8) Nitrobenzene-d5	8.913	82	18120	0.393	ng	0.00
11) 2-Methylnaphthalene-d10	12.138	152	59949	0.316	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	4429	0.230	ng	-0.01
15) 2-Fluorobiphenyl	13.014	172	77171	0.296	ng	0.00
27) Fluoranthene-d10	19.154	212	128084	0.305	ng	0.00
31) Terphenyl-d14	19.754	244	93512	0.383	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.642	42	2755	0.116	ng	# 1
9) Naphthalene	10.598	128	30832	0.113	ng	100
12) 2-Methylnaphthalene	12.209	142	10766	0.060	ng	97
16) Acenaphthylene	14.105	152	41869	0.160	ng	98
17) Acenaphthene	14.448	154	42367	0.235	ng	98
18) Fluorene	15.425	166	59550	0.271	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.475	198	51	0.065	ng	# 1
23) Atrazine	16.593	200	308	0.136	ng	# 1
24) Pentachlorophenol	16.788	266	323	0.199	ng	# 81
25) Phenanthrene	17.165	178	1253187	3.402	ng	100
26) Anthracene	17.250	178	247281	0.781	ng	# 94
28) Fluoranthene	19.183	202	2281302	5.472	ng	97
30) Pyrene	19.546	202	1915930	5.331	ng	# 94
32) Benzo(a)anthracene	21.293	228	1082482	3.201	ng	97
33) Chrysene	21.346	228	964955	2.623	ng	97
34) Bis(2-ethylhexyl)phtha...	21.239	149	397068	4.950	ng	98
36) Indeno(1,2,3-cd)pyrene	25.985	276	464514	1.322	ng	# 92
37) Benzo(b)fluoranthene	22.921	252	1262632	3.520	ng	# 94
39) Benzo(a)pyrene	23.517	252	824265	2.567	ng	# 96
40) Dibenzo(a,h)anthracene	25.998	278	114485	0.399	ng	# 77
41) Benzo(g,h,i)perylene	26.710	276	417899	1.415	ng	96

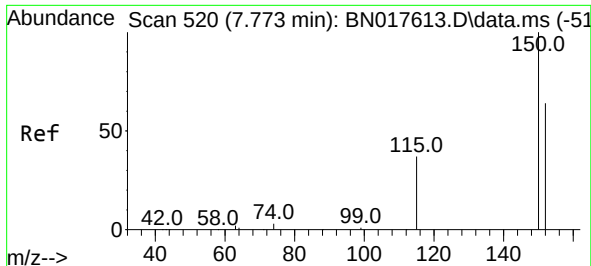
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113021\
Data File : BN017641.D
Acq On : 01 Dec 2021 09:10
Operator : CG/JU
Sample : M4862-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CS-6A

Quant Time: Dec 01 09:52:42 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 30 18:26:44 2021
Response via : Initial Calibration

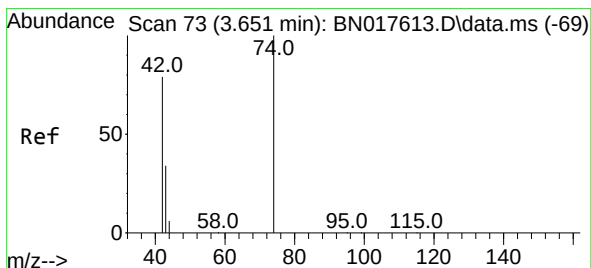
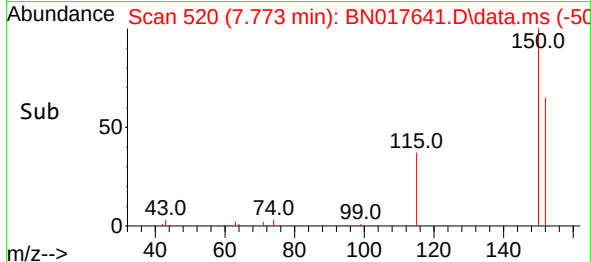
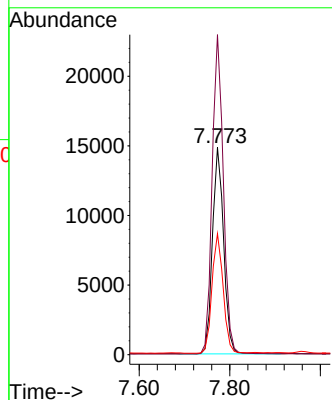
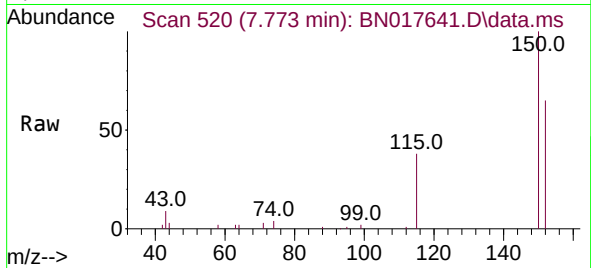




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

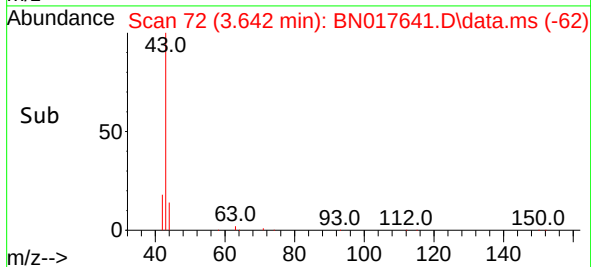
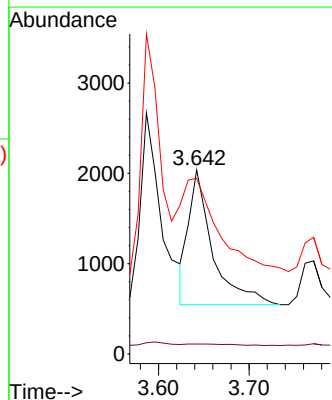
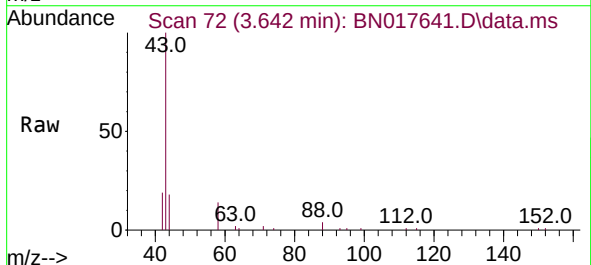
Instrument :
BNA_N
ClientSampleId :
CS-6A

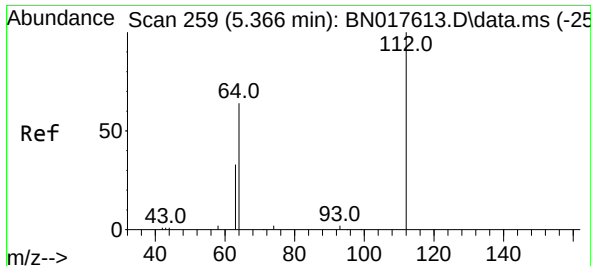
Tgt Ion:152 Resp: 25375
Ion Ratio Lower Upper
152 100
150 154.5 123.0 184.4
115 58.4 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.116 ng
RT: 3.642 min Scan# 72
Delta R.T. -0.009 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion: 42 Resp: 2755
Ion Ratio Lower Upper
42 100
74 1.9 97.8 146.6#
44 112.2 5.5 8.3#

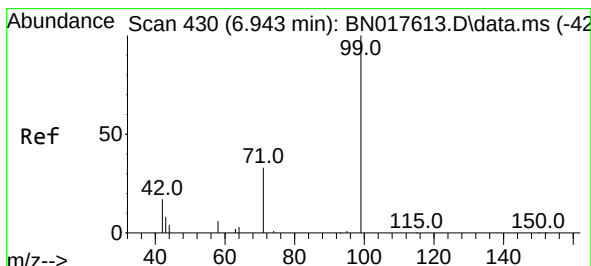
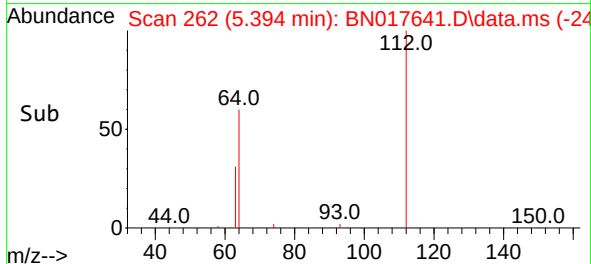
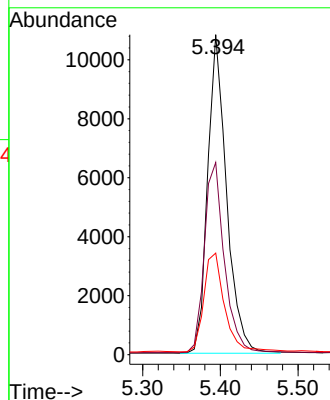
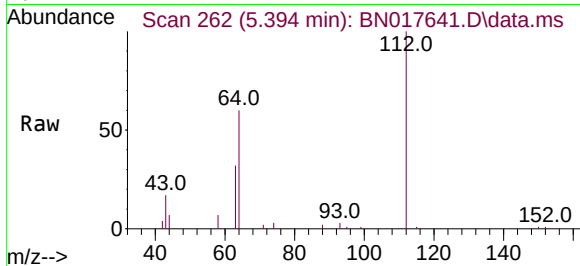




#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.394 min Scan# 212
Delta R.T. 0.028 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

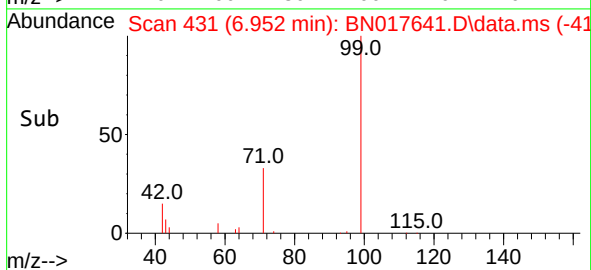
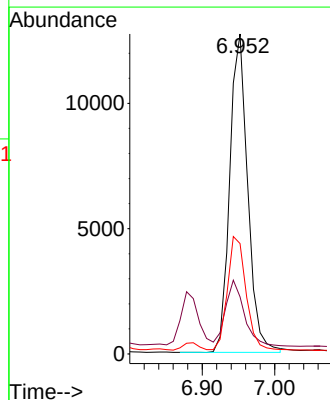
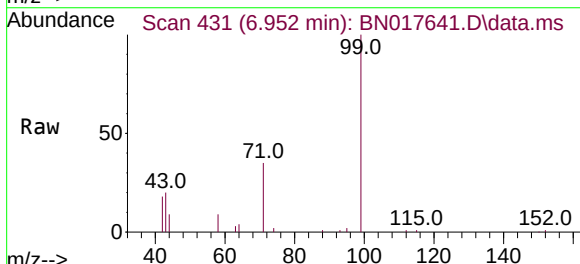
Instrument :
BNA_N
ClientSampleId :
CS-6A

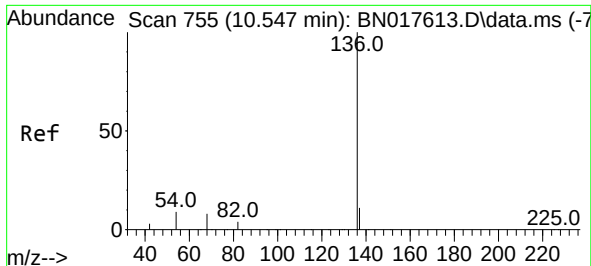
Tgt Ion:112 Resp: 18267
Ion Ratio Lower Upper
112 100
64 63.3 47.6 71.4
63 34.1 24.6 37.0



#5
Phenol-d6
Concen: 0.359 ng
RT: 6.952 min Scan# 431
Delta R.T. 0.009 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion: 99 Resp: 21859
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 36.5 24.8 37.2

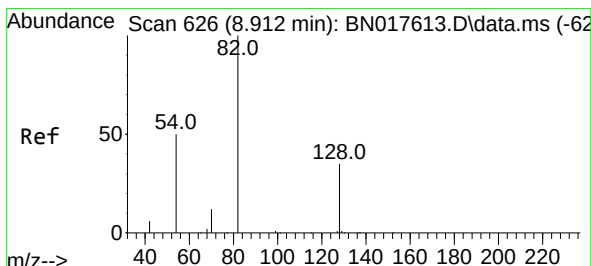
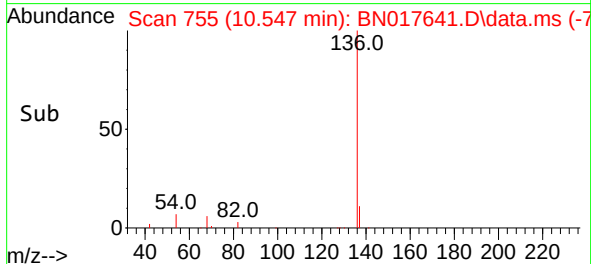
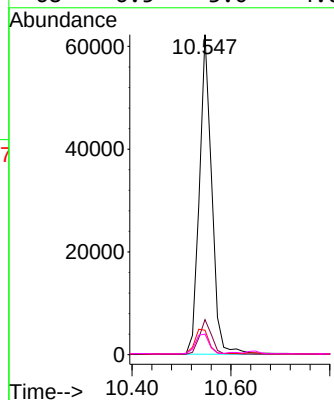
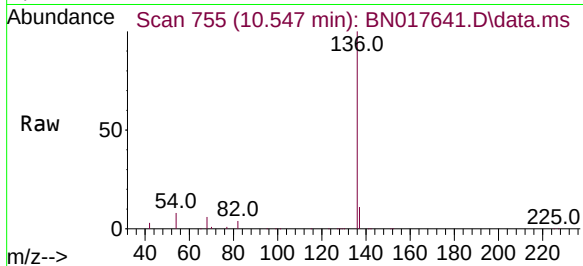




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.547 min Scan# 755
Delta R.T. 0.000 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

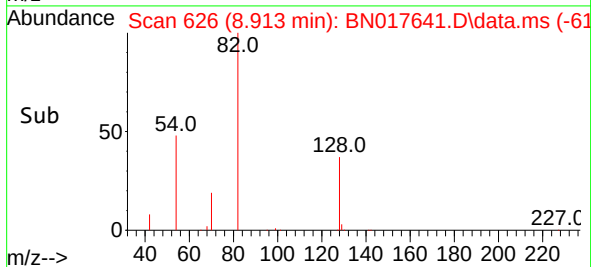
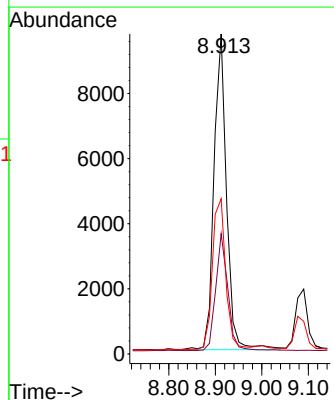
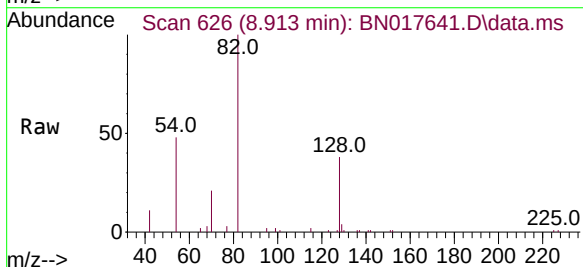
Instrument :
BNA_N
ClientSampleId :
CS-6A

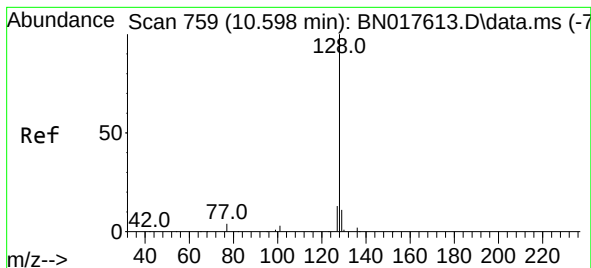
Tgt Ion:136 Resp: 108652
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 4.0 6.0#
68 6.5 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 8.913 min Scan# 626
Delta R.T. 0.001 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion: 82 Resp: 18120
Ion Ratio Lower Upper
82 100
128 37.6 27.7 41.5
54 48.5 49.2 73.8#





#9

Naphthalene

Concen: 0.113 ng

RT: 10.598 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN017641.D

Acq: 01 Dec 2021 09:10

Instrument :

BNA_N

ClientSampleId :

CS-6A

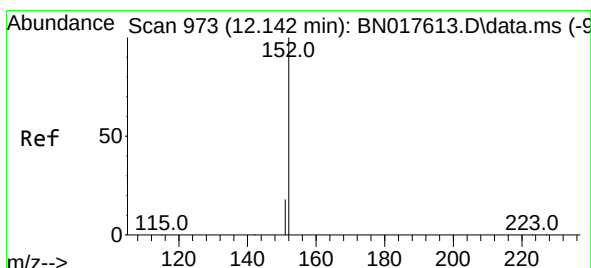
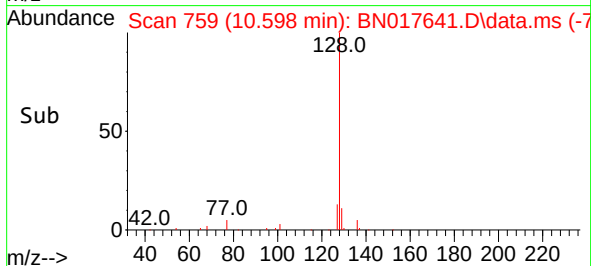
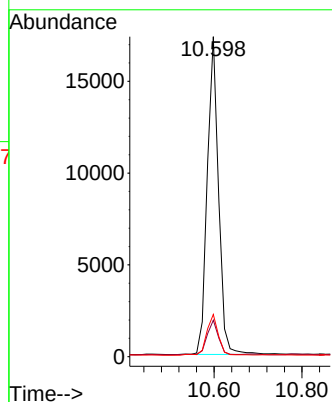
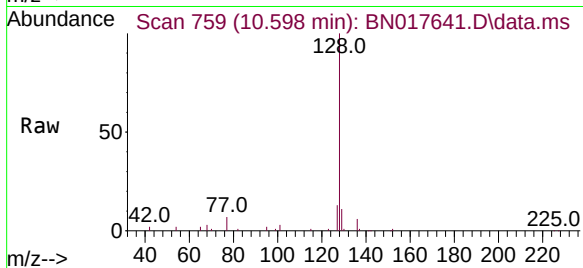
Tgt Ion:128 Resp: 30832

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.2 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.316 ng

RT: 12.138 min Scan# 972

Delta R.T. -0.004 min

Lab File: BN017641.D

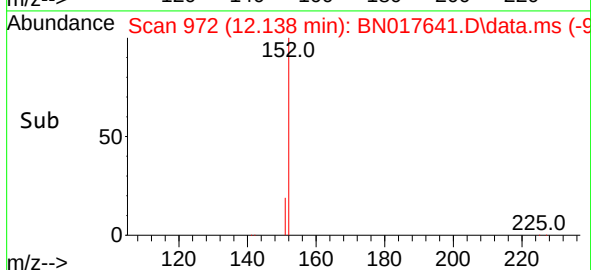
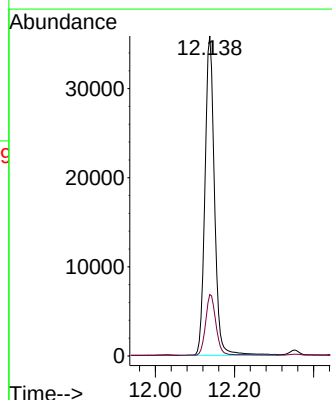
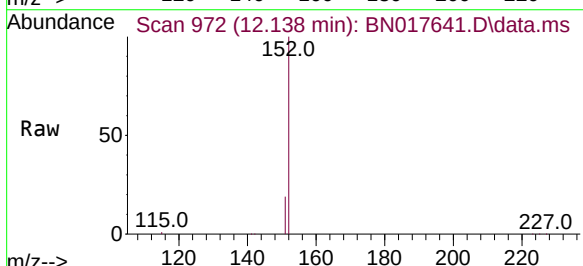
Acq: 01 Dec 2021 09:10

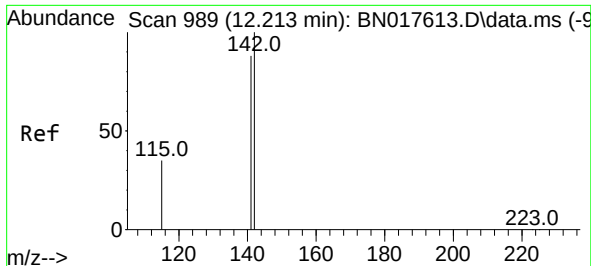
Tgt Ion:152 Resp: 59949

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.060 ng

RT: 12.209 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017641.D

Acq: 01 Dec 2021 09:10

Instrument :

BNA_N

ClientSampleId :

CS-6A

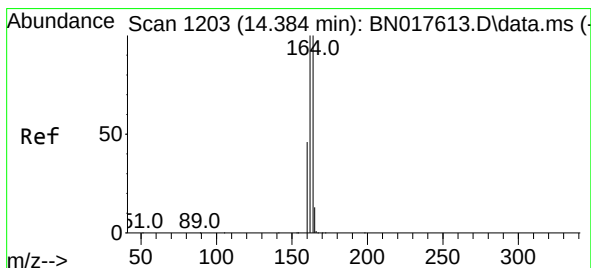
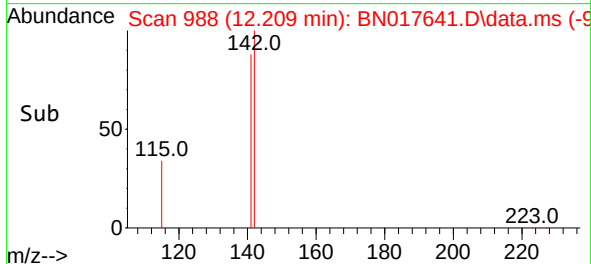
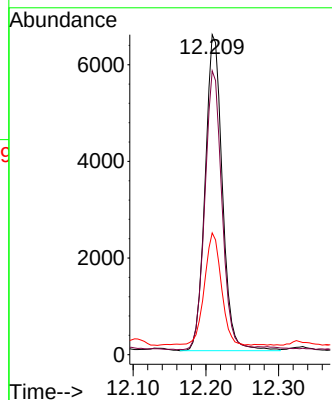
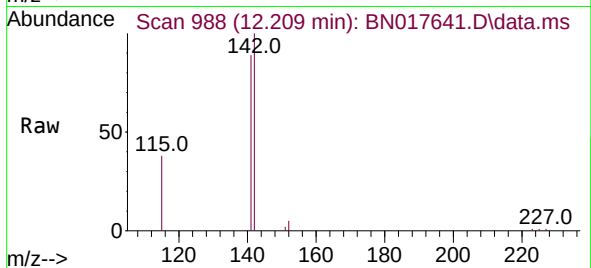
Tgt Ion:142 Resp: 10766

Ion Ratio Lower Upper

142 100

141 88.7 70.6 106.0

115 38.1 25.8 38.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.384 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BN017641.D

Acq: 01 Dec 2021 09:10

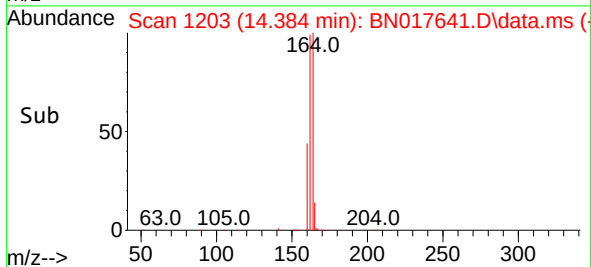
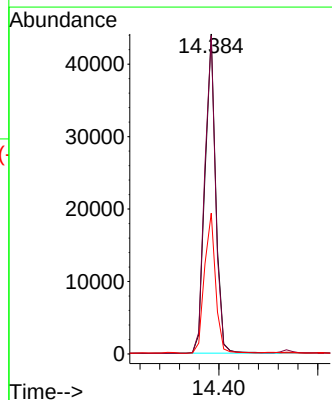
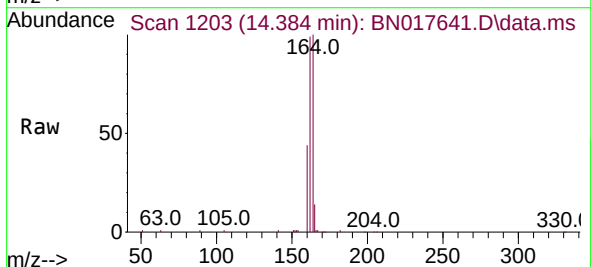
Tgt Ion:164 Resp: 66976

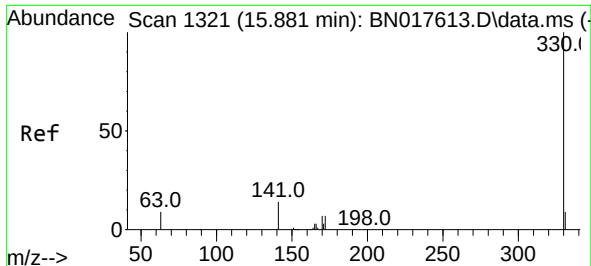
Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.2

160 44.0 36.8 55.2

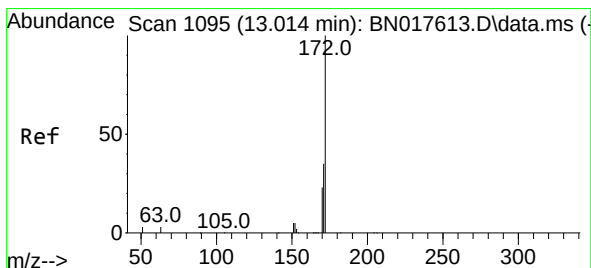
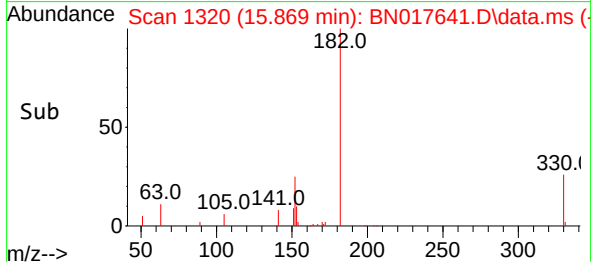
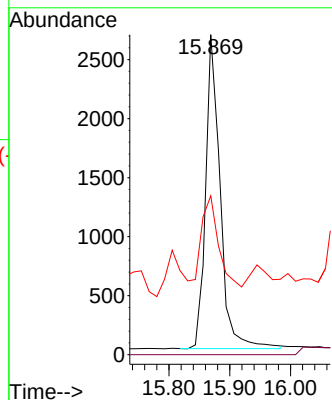
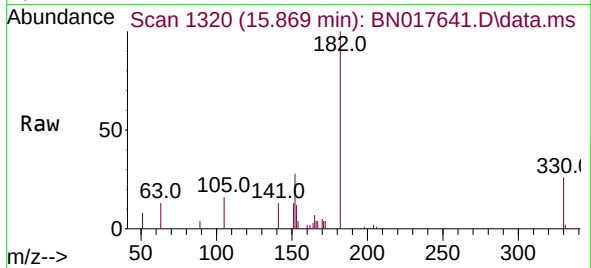




#14
2,4,6-Tribromophenol
Concen: 0.230 ng
RT: 15.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

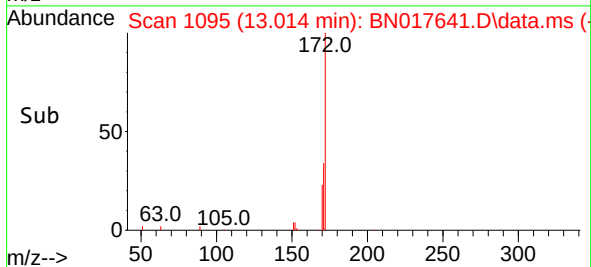
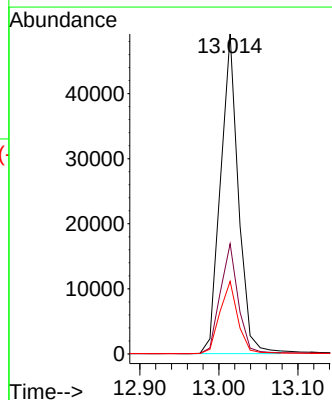
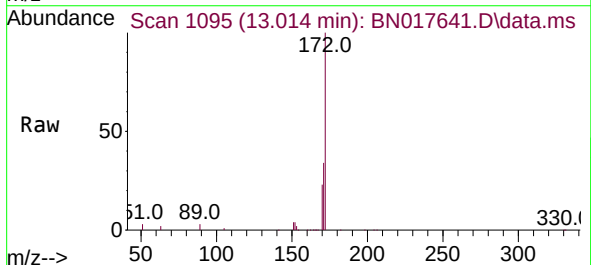
Instrument :
BNA_N
ClientSampleId :
CS-6A

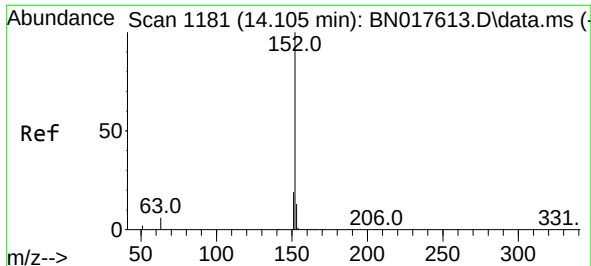
Tgt Ion:330 Resp: 4429
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.4 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.014 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:172 Resp: 77171
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.7 19.4 29.2

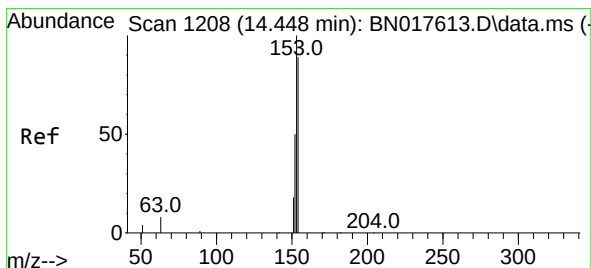
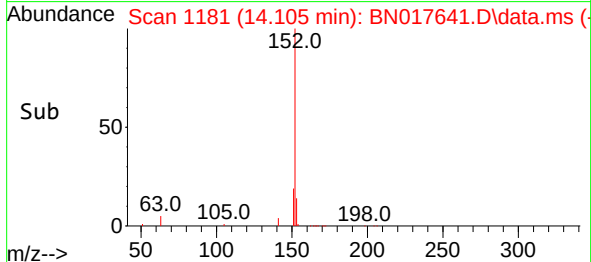
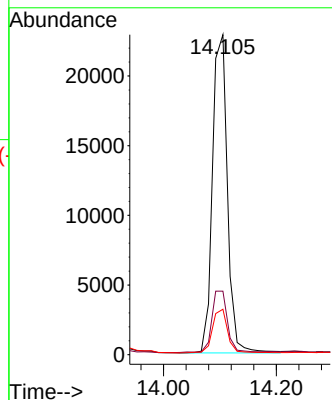
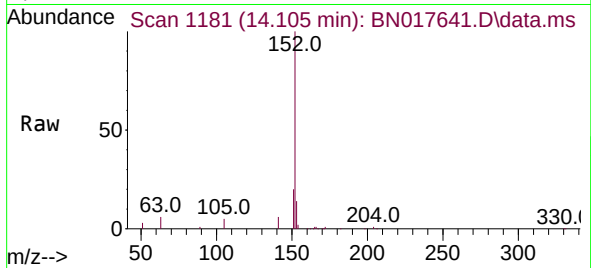




#16
Acenaphthylene
Concen: 0.160 ng
RT: 14.105 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

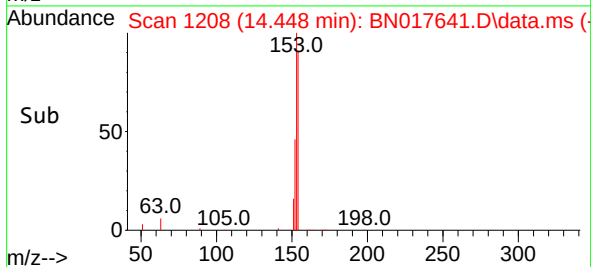
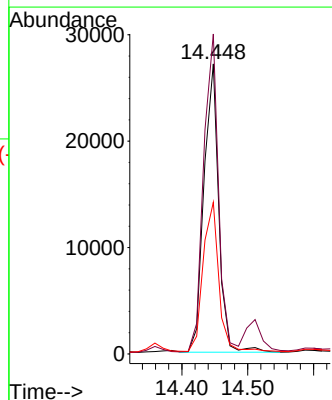
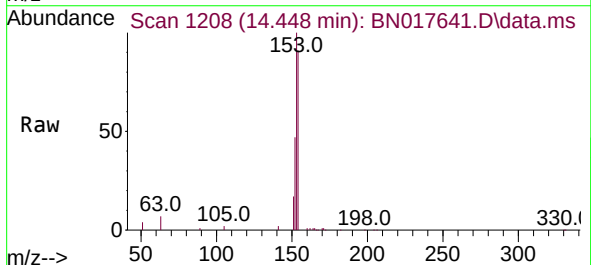
Instrument :
BNA_N
ClientSampleId :
CS-6A

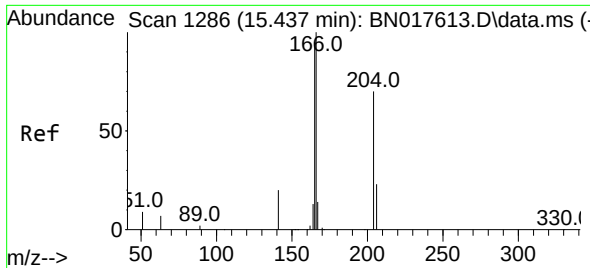
Tgt Ion:152 Resp: 41869
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 14.0 10.4 15.6



#17
Acenaphthene
Concen: 0.235 ng
RT: 14.448 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:154 Resp: 42367
Ion Ratio Lower Upper
154 100
153 110.9 91.2 136.8
152 54.9 44.3 66.5

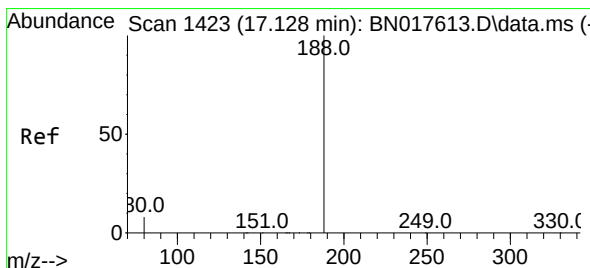
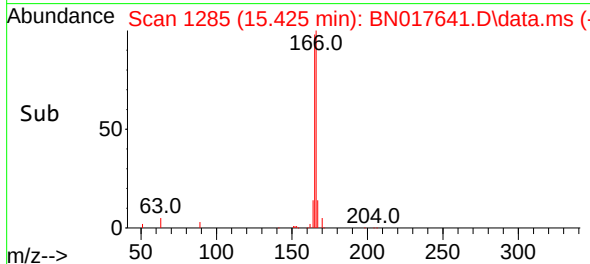
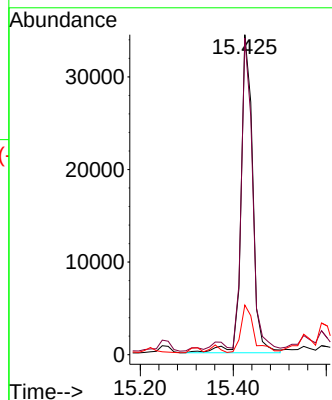
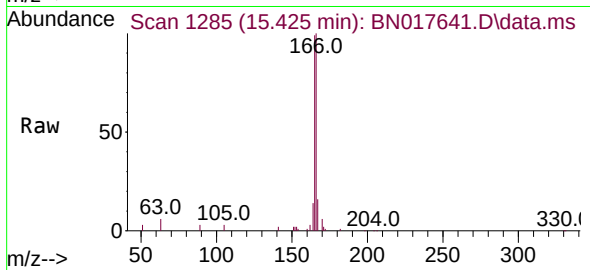




#18
Fluorene
Concen: 0.271 ng
RT: 15.425 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

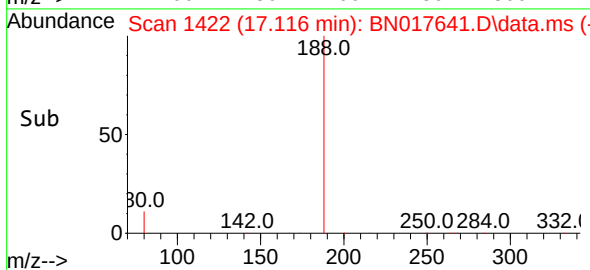
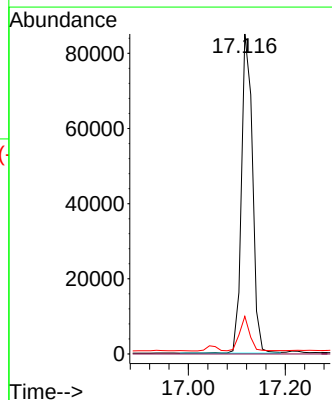
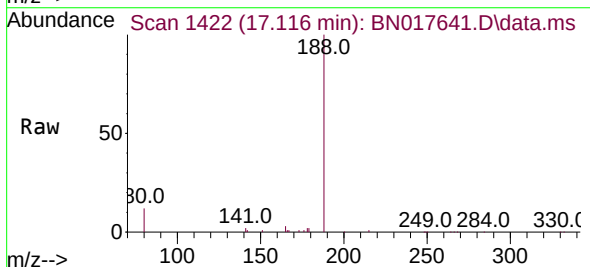
Instrument :
BNA_N
ClientSampleId :
CS-6A

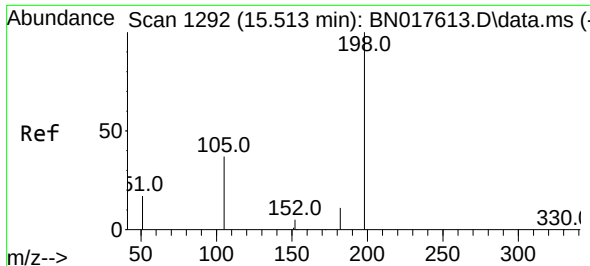
Tgt Ion:166 Resp: 59550
Ion Ratio Lower Upper
166 100
165 92.7 77.9 116.9
167 16.5 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.116 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:188 Resp: 134320
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 6.1 9.1#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.065 ng

RT: 15.475 min Scan# 1289

Delta R.T. -0.038 min

Lab File: BN017641.D

Acq: 01 Dec 2021 09:10

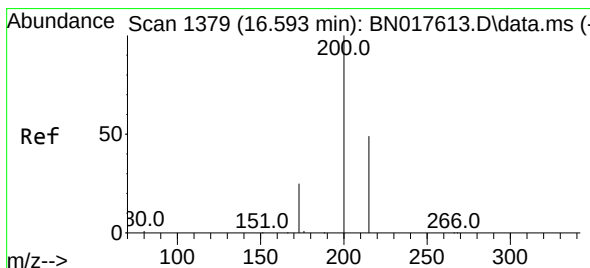
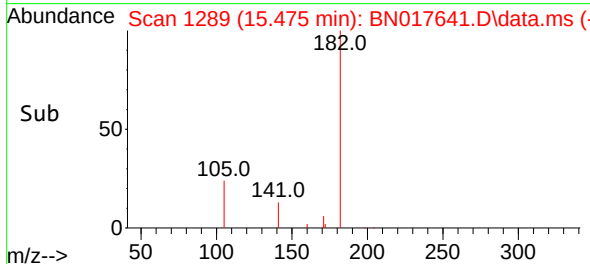
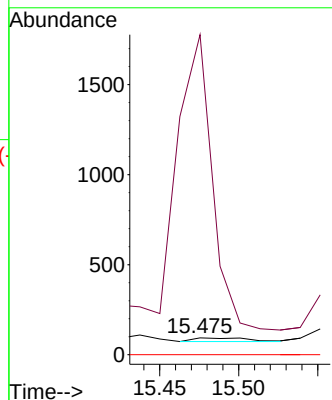
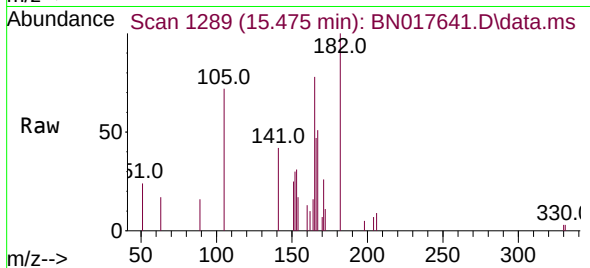
Instrument :

BNA_N

ClientSampleId :

CS-6A

Tgt Ion:198 Resp: 51
 Ion Ratio Lower Upper
 198 100
 182 1890.4 11.4 17.2#
 77 0.0 0.0 0.0



#23

Atrazine

Concen: 0.136 ng

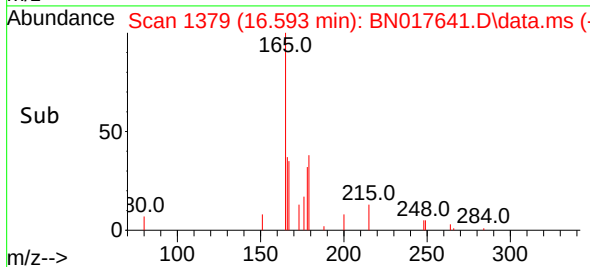
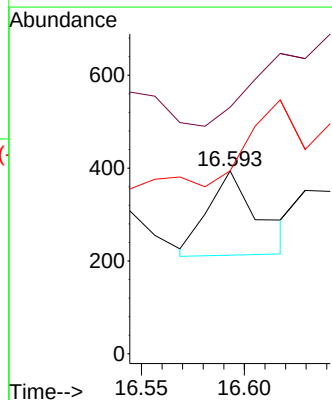
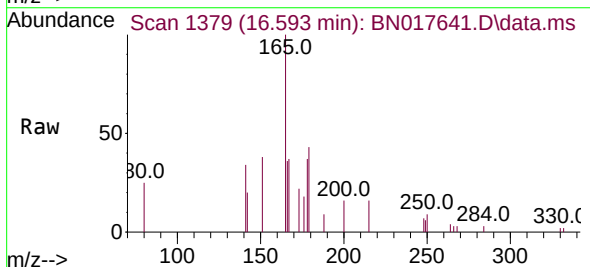
RT: 16.593 min Scan# 1379

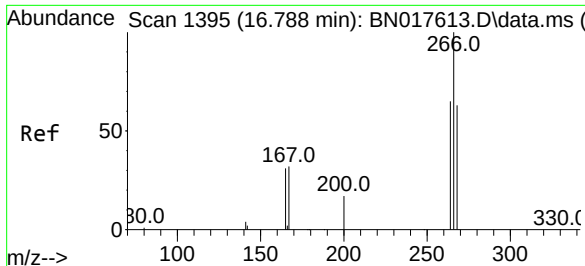
Delta R.T. 0.000 min

Lab File: BN017641.D

Acq: 01 Dec 2021 09:10

Tgt Ion:200 Resp: 308
 Ion Ratio Lower Upper
 200 100
 173 134.8 17.6 26.4#
 215 100.0 40.2 60.4#

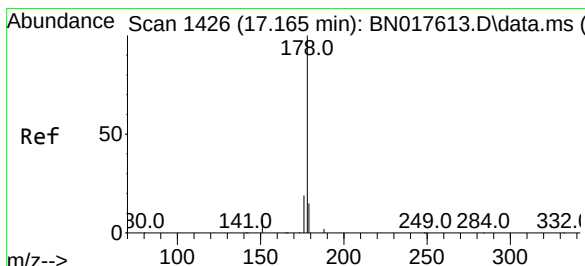
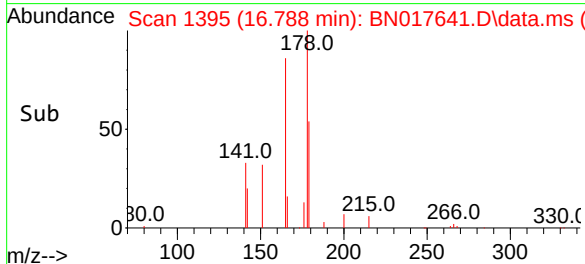
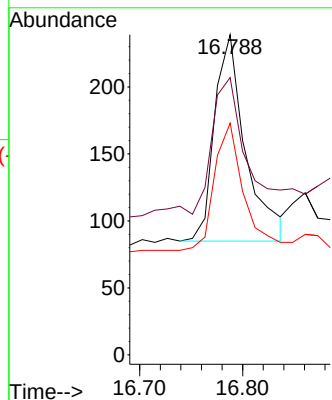
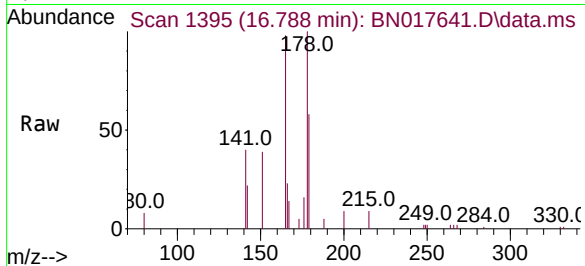




#24
 Pentachlorophenol
 Concen: 0.199 ng
 RT: 16.788 min Scan# 1395
 Delta R.T. -0.000 min
 Lab File: BN017641.D
 Acq: 01 Dec 2021 09:10

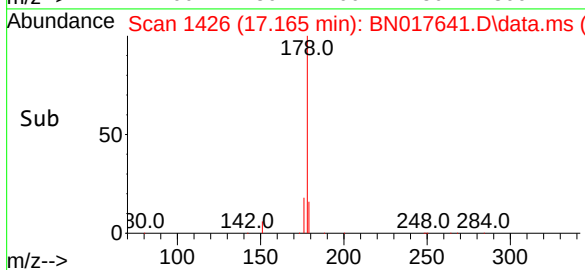
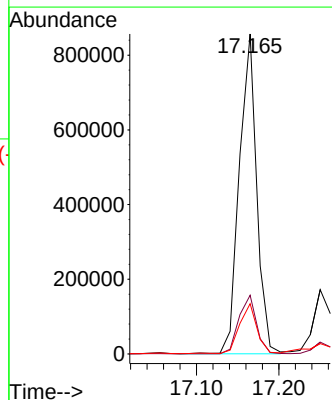
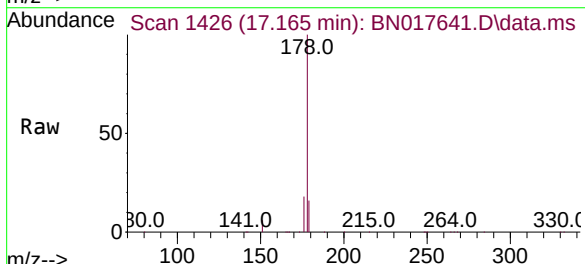
Instrument :
 BNA_N
 ClientSampleId :
 CS-6A

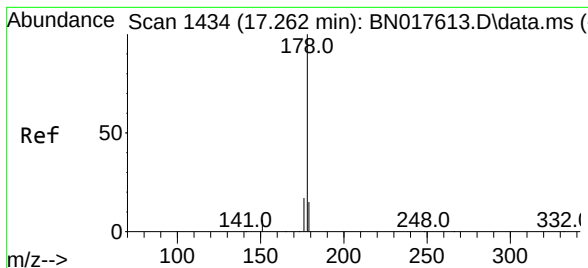
Tgt Ion:266 Resp: 323
 Ion Ratio Lower Upper
 266 100
 264 85.8 49.8 74.8#
 268 57.9 51.3 76.9



#25
 Phenanthrene
 Concen: 3.402 ng
 RT: 17.165 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: BN017641.D
 Acq: 01 Dec 2021 09:10

Tgt Ion:178 Resp: 1253187
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 15.7 12.3 18.5

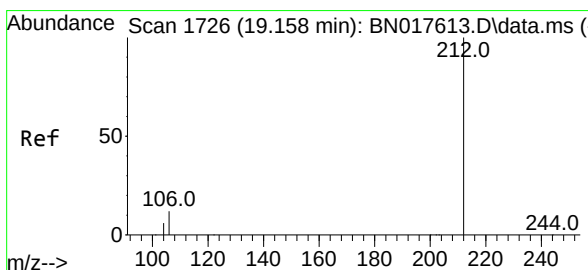
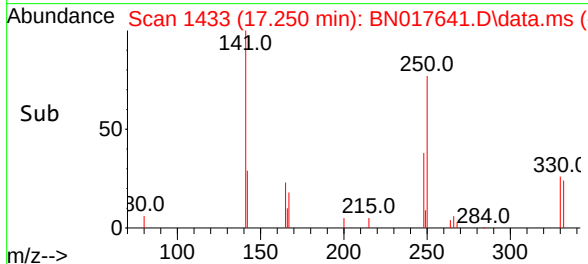
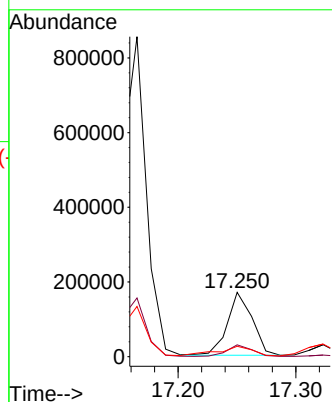
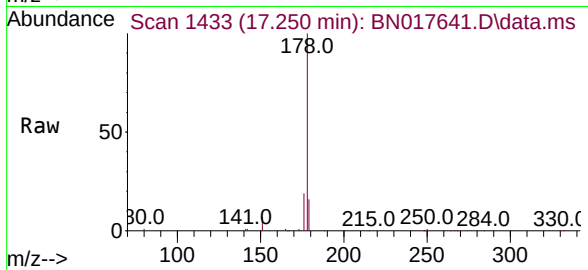




#26
 Anthracene
 Concen: 0.781 ng
 RT: 17.250 min Scan# 1433
 Delta R.T. -0.012 min
 Lab File: BN017641.D
 Acq: 01 Dec 2021 09:10

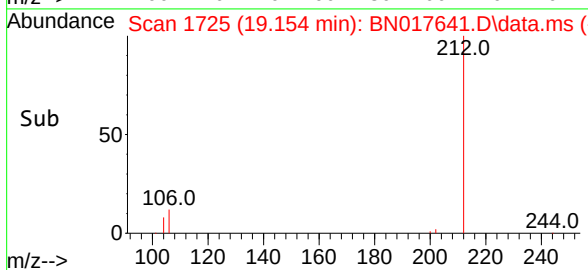
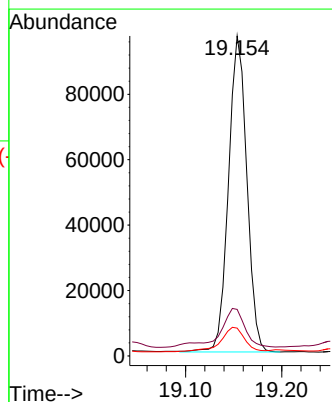
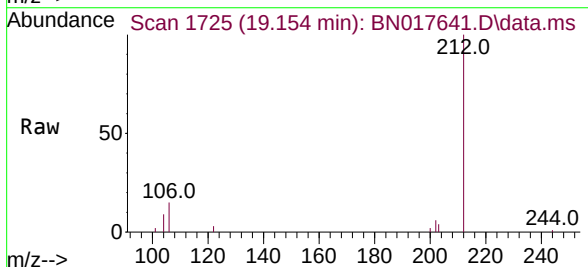
Instrument :
 BNA_N
 ClientSampleId :
 CS-6A

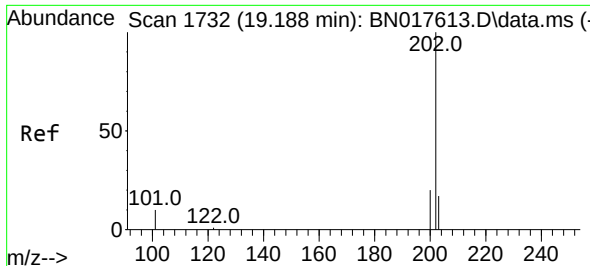
Tgt Ion:178 Resp: 247281
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 22.0
 179 20.9 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.305 ng
 RT: 19.154 min Scan# 1725
 Delta R.T. -0.004 min
 Lab File: BN017641.D
 Acq: 01 Dec 2021 09:10

Tgt Ion:212 Resp: 128084
 Ion Ratio Lower Upper
 212 100
 106 16.7 10.5 15.7#
 104 10.2 5.8 8.6#

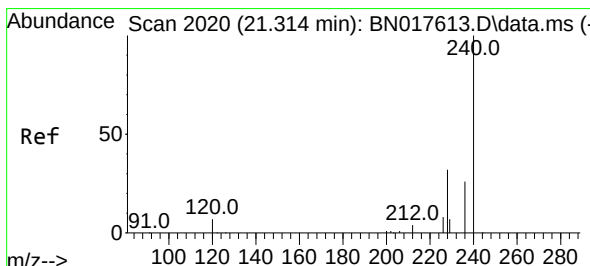
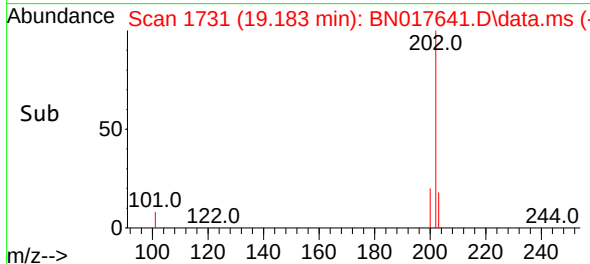
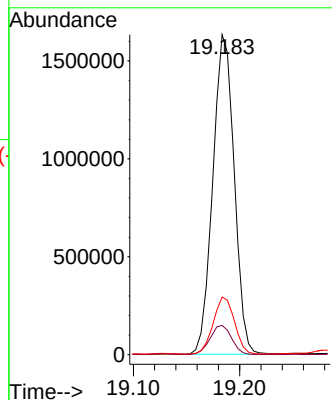
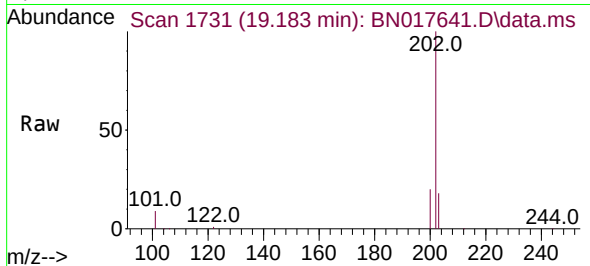




#28
Fluoranthene
Concen: 5.472 ng
RT: 19.183 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

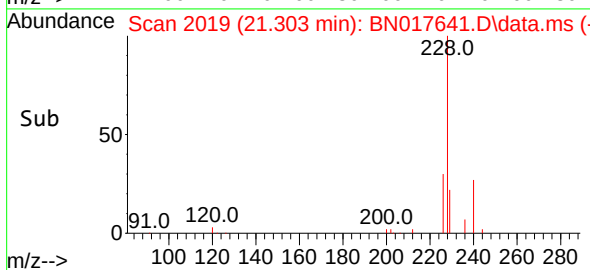
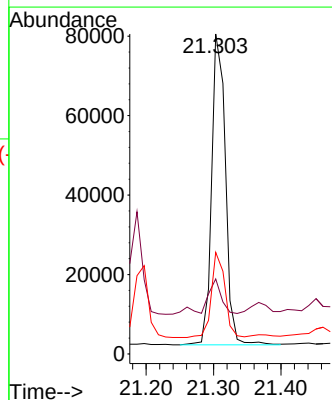
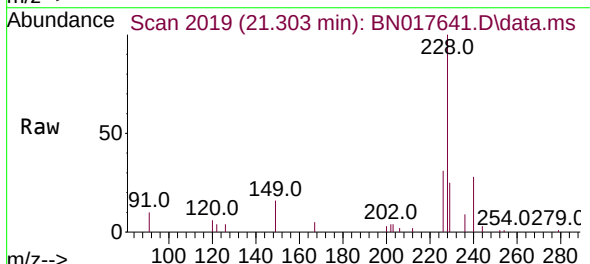
Instrument :
BNA_N
ClientSampleId :
CS-6A

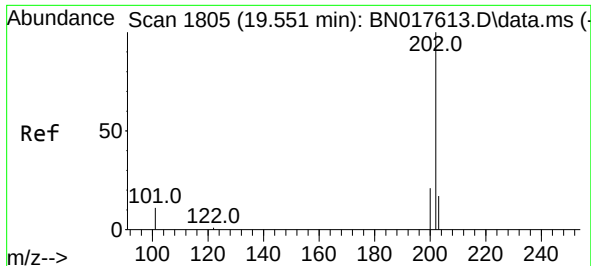
Tgt Ion:202 Resp: 2281302
Ion Ratio Lower Upper
202 100
101 9.1 8.9 13.3
203 17.6 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.303 min Scan# 2019
Delta R.T. -0.011 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:240 Resp: 111333
Ion Ratio Lower Upper
240 100
120 23.4 4.2 6.2#
236 31.8 20.0 30.0#

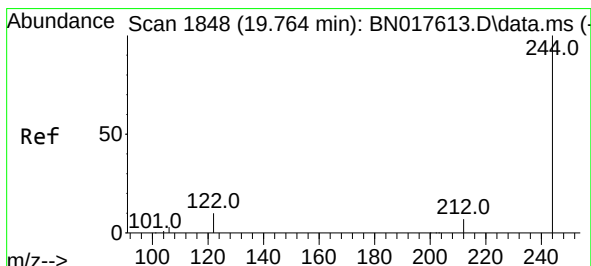
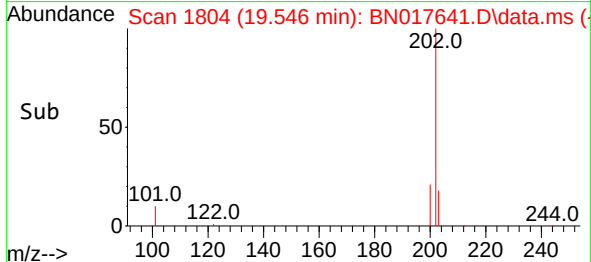
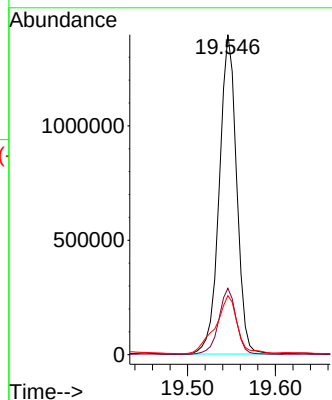
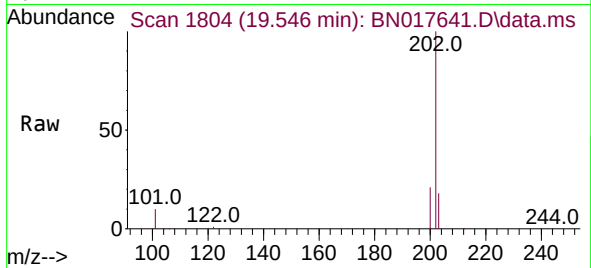




#30
Pyrene
Concen: 5.331 ng
RT: 19.546 min Scan# 1804
Delta R.T. -0.005 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

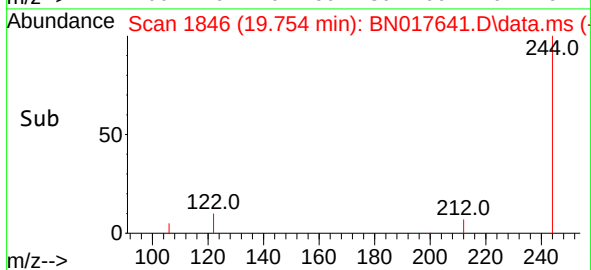
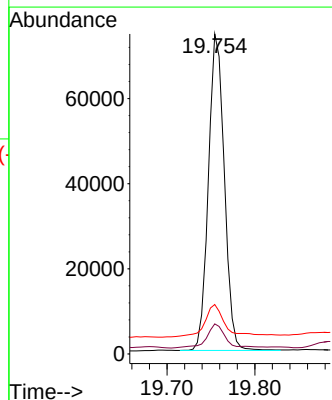
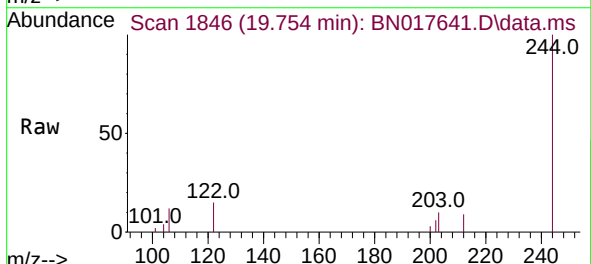
Instrument :
BNA_N
ClientSampleId :
CS-6A

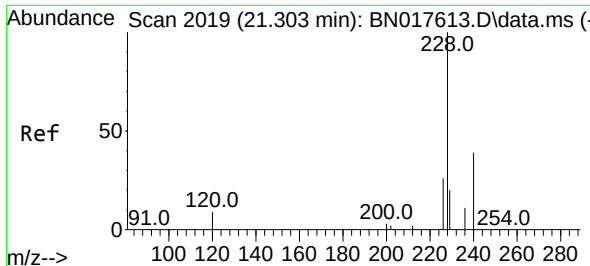
Tgt Ion:202 Resp: 1915930
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 22.9 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.383 ng
RT: 19.754 min Scan# 1846
Delta R.T. -0.010 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:244 Resp: 93512
Ion Ratio Lower Upper
244 100
212 9.4 5.7 8.5#
122 15.5 8.6 13.0#

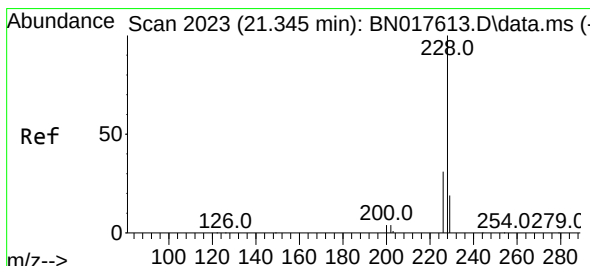
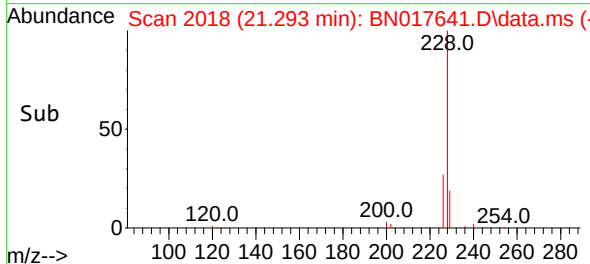
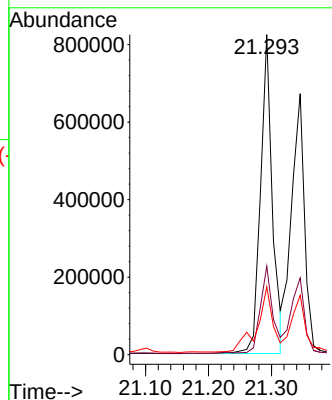
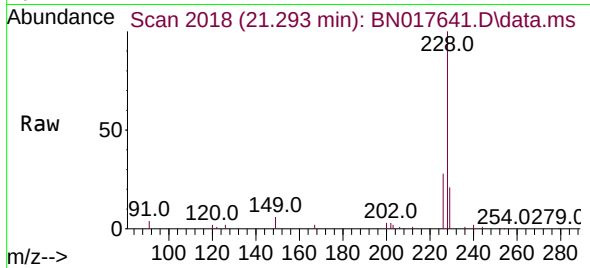




#32
Benzo(a)anthracene
Concen: 3.201 ng
RT: 21.293 min Scan# 2018
Delta R.T. -0.010 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

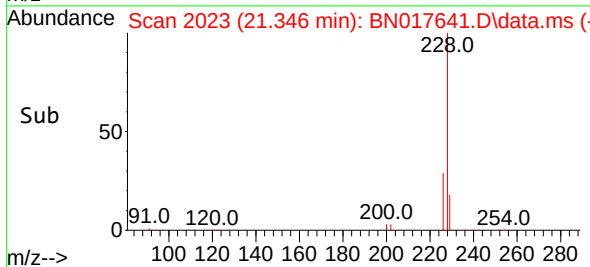
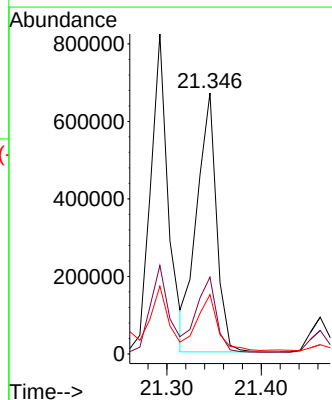
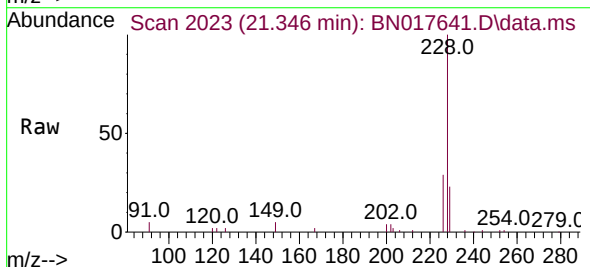
Instrument :
BNA_N
ClientSampleId :
CS-6A

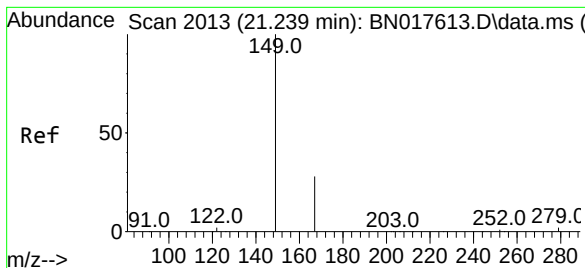
Tgt Ion:228 Resp: 1082482
Ion Ratio Lower Upper
228 100
226 27.7 21.3 31.9
229 21.2 15.7 23.5



#33
Chrysene
Concen: 2.623 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.001 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:228 Resp: 964955
Ion Ratio Lower Upper
228 100
226 29.4 23.3 34.9
229 22.8 15.6 23.4

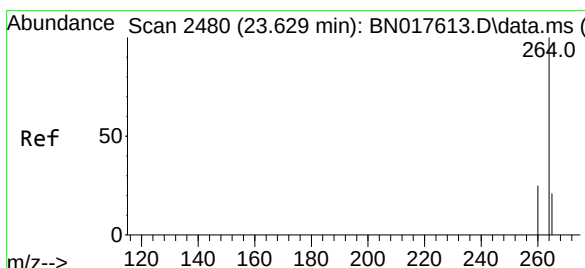
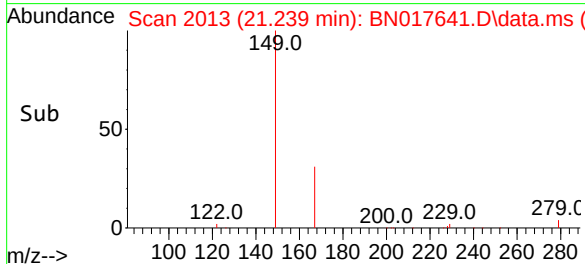
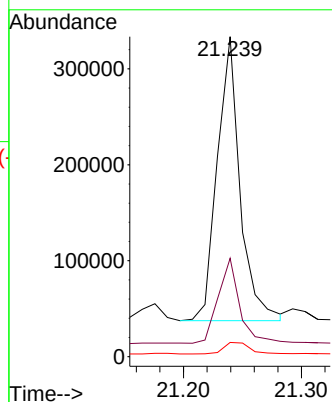
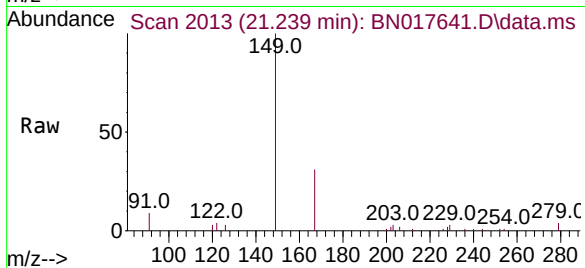




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 4.950 ng
 RT: 21.239 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BN017641.D
 Acq: 01 Dec 2021 09:10

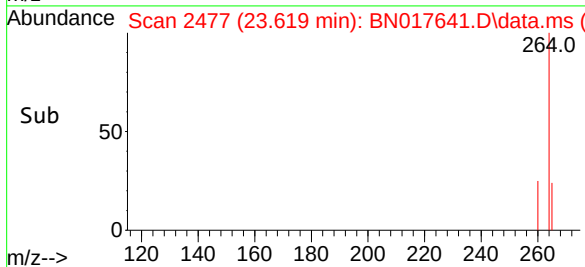
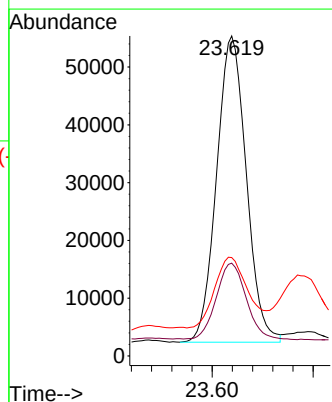
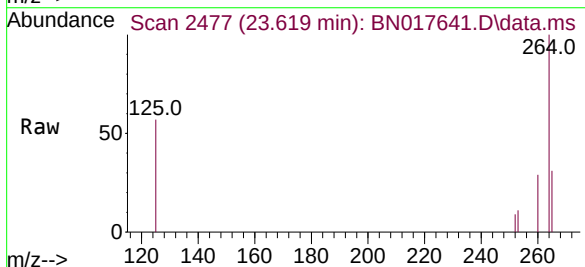
Instrument :
 BNA_N
 ClientSampleId :
 CS-6A

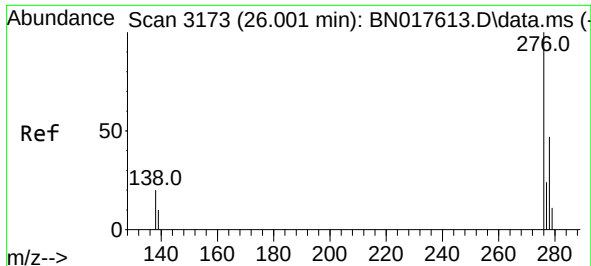
Tgt Ion:149 Resp: 397068
 Ion Ratio Lower Upper
 149 100
 167 28.0 21.8 32.6
 279 4.6 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.619 min Scan# 2477
 Delta R.T. -0.010 min
 Lab File: BN017641.D
 Acq: 01 Dec 2021 09:10

Tgt Ion:264 Resp: 108179
 Ion Ratio Lower Upper
 264 100
 260 29.0 19.4 29.2
 265 30.8 18.6 28.0#

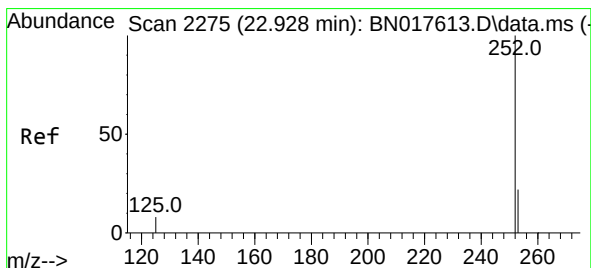
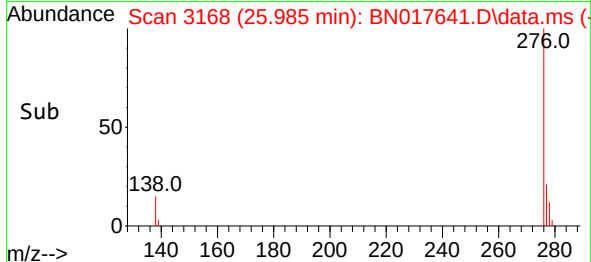
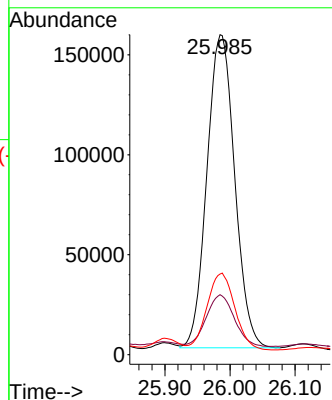
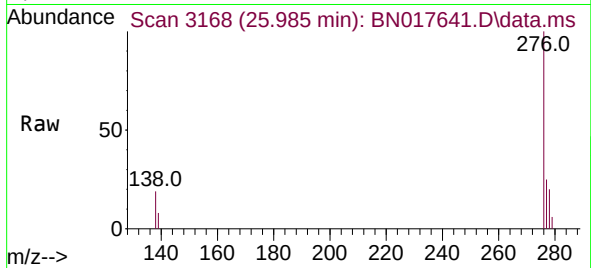




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.322 ng
RT: 25.985 min Scan# 3173
Delta R.T. -0.017 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

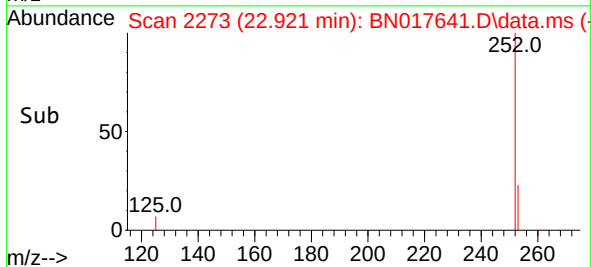
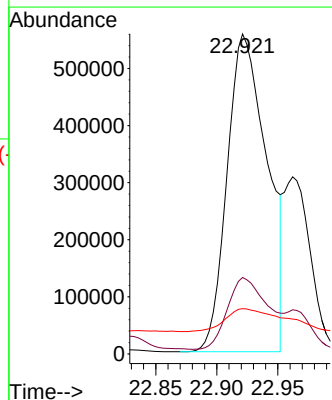
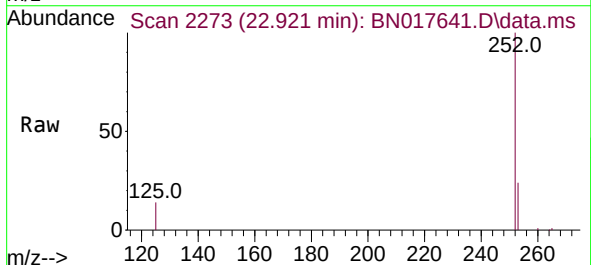
Instrument :
BNA_N
ClientSampleId :
CS-6A

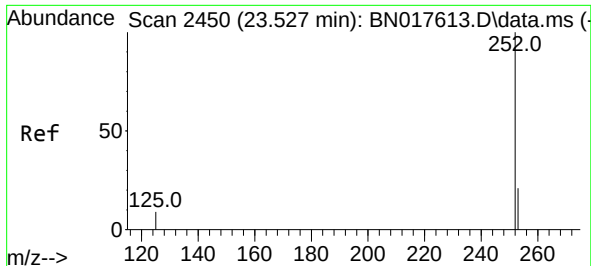
Tgt Ion:276 Resp: 464514
Ion Ratio Lower Upper
276 100
138 16.5 19.7 29.5#
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 3.520 ng
RT: 22.921 min Scan# 2273
Delta R.T. -0.007 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:252 Resp: 1262632
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 14.2 7.8 11.8#

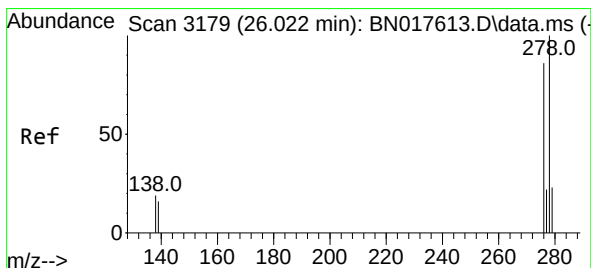
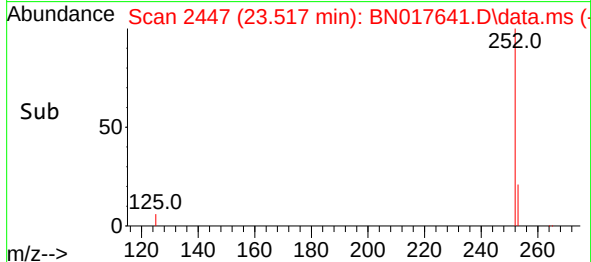
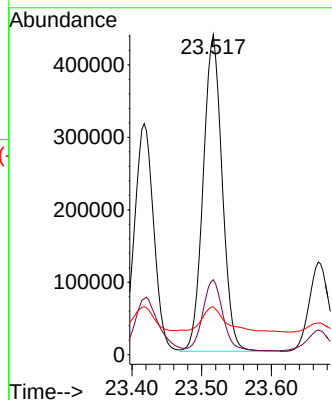
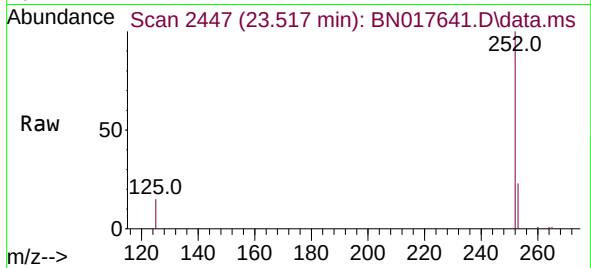




#39
Benzo(a)pyrene
Concen: 2.567 ng
RT: 23.517 min Scan# 2450
Delta R.T. -0.010 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

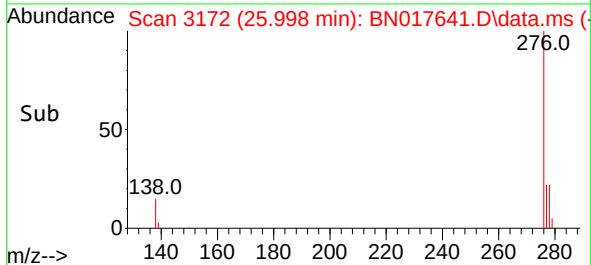
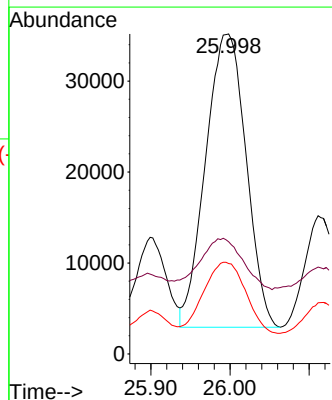
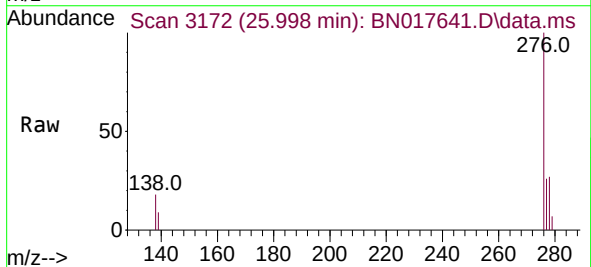
Instrument :
BNA_N
ClientSampleId :
CS-6A

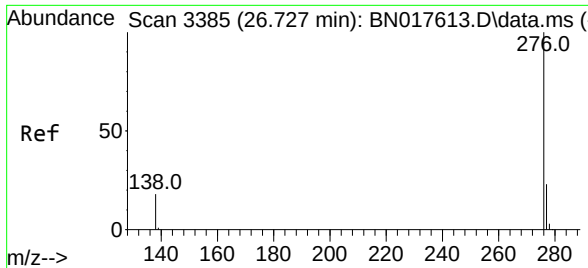
Tgt Ion:252 Resp: 824265
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.9 9.2 13.8#



#40
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 25.998 min Scan# 3172
Delta R.T. -0.024 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Tgt Ion:278 Resp: 114485
Ion Ratio Lower Upper
278 100
139 35.1 13.0 19.6#
279 28.3 19.2 28.8





#41
Benzo(g,h,i)perylene
Concen: 1.415 ng
RT: 26.710 min Scan# 31
Delta R.T. -0.017 min
Lab File: BN017641.D
Acq: 01 Dec 2021 09:10

Instrument :
BNA_N
ClientSampleId :
CS-6A

Tgt Ion:276 Resp: 417899
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 18.7 17.1 25.7

