

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016695.D
 Acq On : 03 Oct 2021 07:00
 Operator : CG/JU
 Sample : M3892-07
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 03:37:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

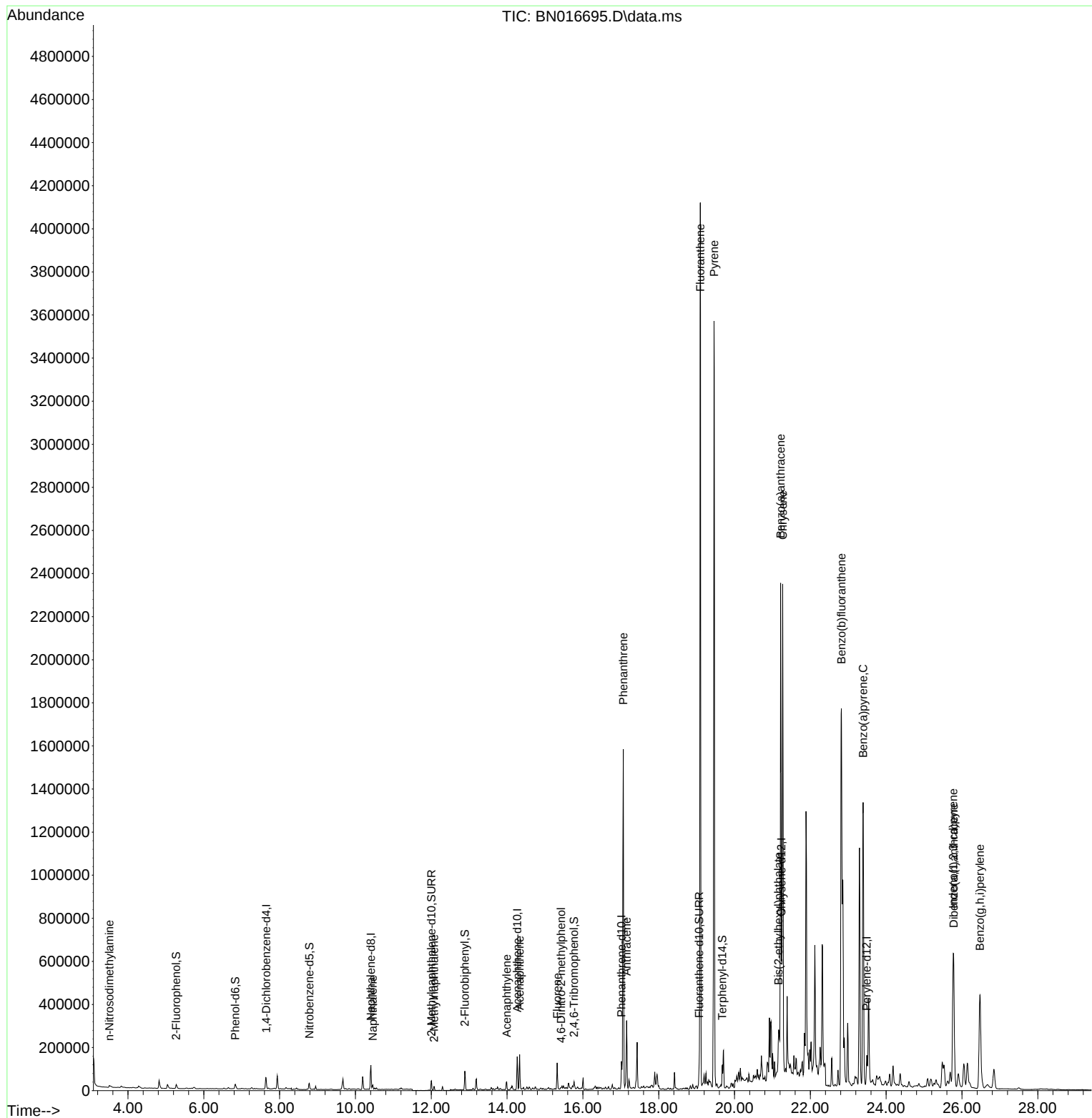
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	32253	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	148783	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	84454	0.400	ng	0.00
19) Phenanthrene-d10	17.017	188	166957	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	160190	0.400	ng	# 0.00
35) Perylene-d12	23.488	264	167550	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	21435	0.261	ng	0.02
5) Phenol-d6	6.831	99	22390	0.249	ng	0.00
8) Nitrobenzene-d5	8.784	82	27498	0.284	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	60088	0.273	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12489	0.325	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	76011	0.222	ng	-0.01
27) Fluoranthene-d10	19.068	212	118389	0.267	ng	0.00
31) Terphenyl-d14	19.678	244	96532	0.277	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.511	42	3127	0.131	ng	# 1
9) Naphthalene	10.457	128	20113	0.050	ng	98
12) 2-Methylnaphthalene	12.074	142	12775	0.049	ng	# 95
16) Acenaphthylene	13.989	152	44385	0.120	ng	99
17) Acenaphthene	14.332	154	78486	0.316	ng	99
18) Fluorene	15.322	166	74996	0.255	ng	97
20) 4,6-Dinitro-2-methylph...	15.423	198	56	0.139	ng	# 1
25) Phenanthrene	17.066	178	1642142	3.268	ng	99
26) Anthracene	17.151	178	313547	0.723	ng	# 94
28) Fluoranthene	19.098	202	3741652	6.899	ng	98
30) Pyrene	19.460	202	3285473	6.339	ng	# 93
32) Benzo(a)anthracene	21.217	228	1937856	3.941	ng	98
33) Chrysene	21.270	228	2097327	4.213	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	140865	0.719	ng	96
36) Indeno(1,2,3-cd)pyrene	25.771	276	1026136	1.716	ng	97
37) Benzo(b)fluoranthene	22.817	252	2912621	5.410	ng	98
39) Benzo(a)pyrene	23.392	252	1872578	3.905	ng	98
40) Dibenzo(a,h)anthracene	25.785	278	263833	0.547	ng	# 88
41) Benzo(g,h,i)perylene	26.473	276	950570	1.798	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016695.D
Acq On : 03 Oct 2021 07:00
Operator : CG/JU
Sample : M3892-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Oct 04 03:37:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

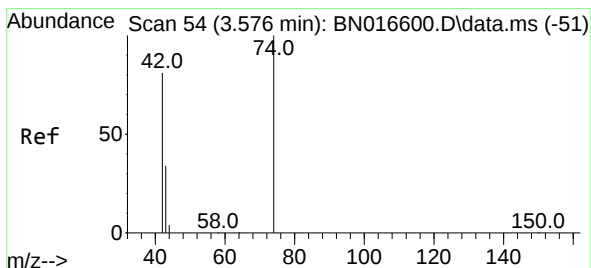
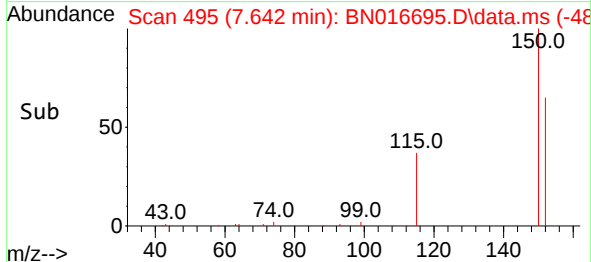
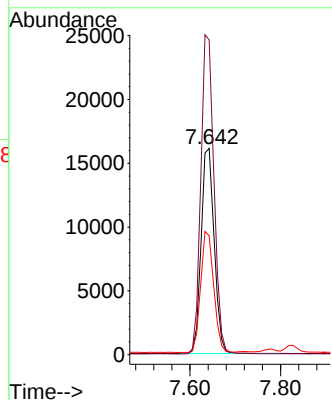
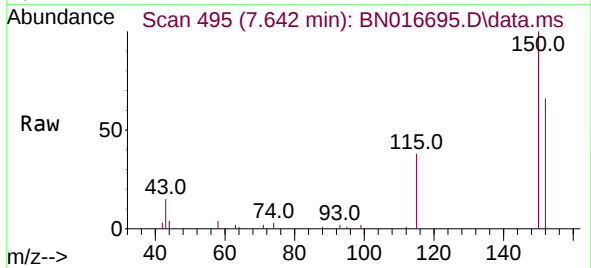




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

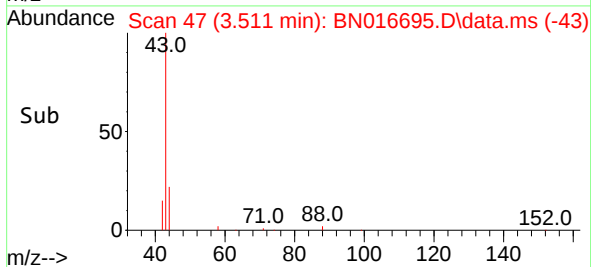
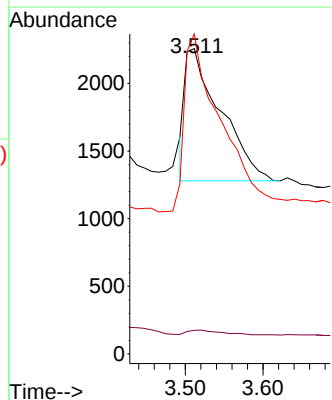
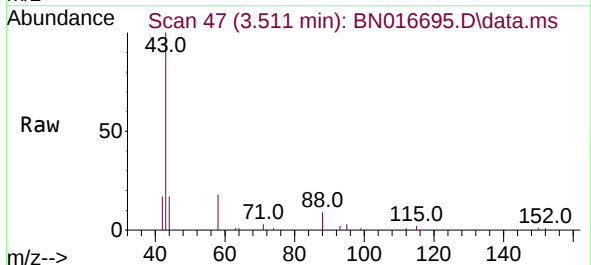
Instrument :
BNA_N
ClientSampleId :

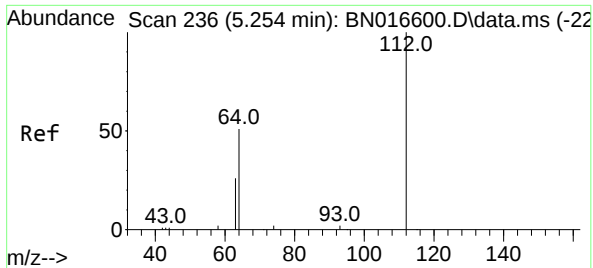
Tgt Ion:152 Resp: 32253
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 57.6 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.131 ng
RT: 3.511 min Scan# 47
Delta R.T. -0.064 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion: 42 Resp: 3127
Ion Ratio Lower Upper
42 100
74 3.6 121.6 182.4#
44 120.1 6.3 9.5#

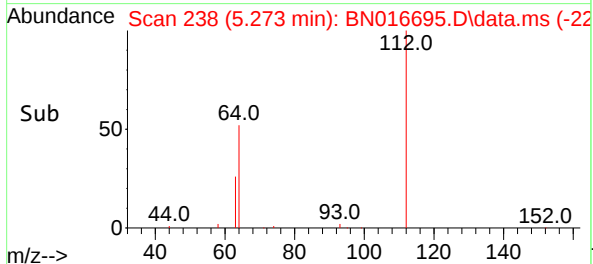
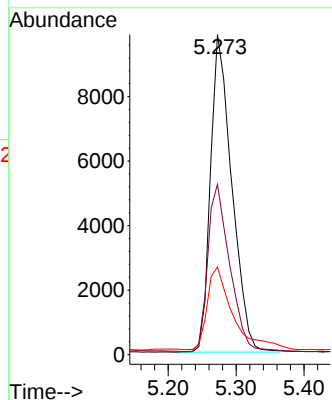
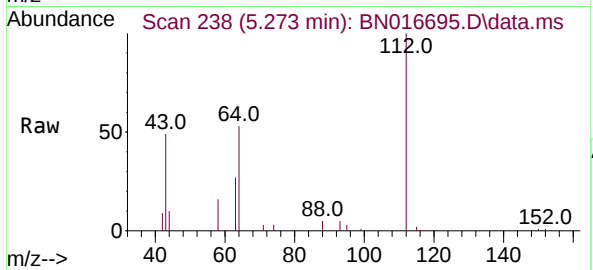




#4
2-Fluorophenol
Concen: 0.261 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

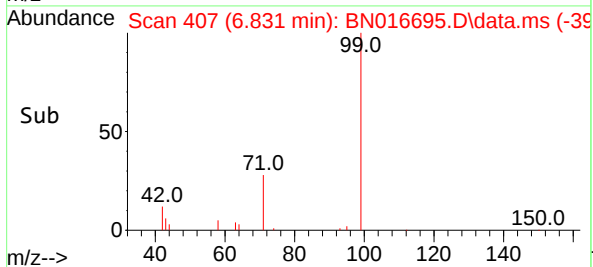
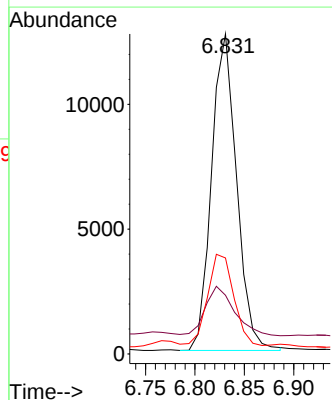
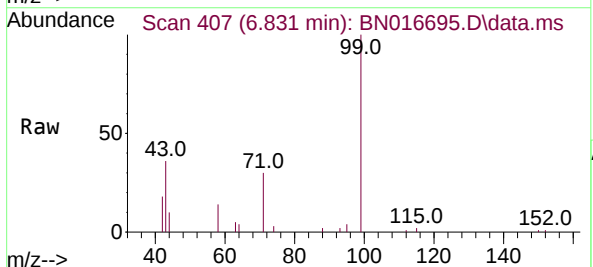
Instrument :
BNA_N
ClientSampleId :

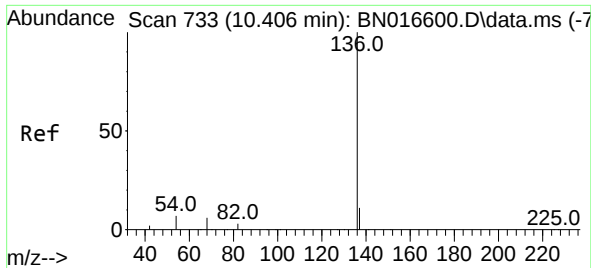
Tgt Ion:112 Resp: 21435
Ion Ratio Lower Upper
112 100
64 54.2 43.1 64.7
63 30.7 21.6 32.4



#5
Phenol-d6
Concen: 0.249 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion: 99 Resp: 22390
Ion Ratio Lower Upper
99 100
42 18.0 13.0 19.6
71 30.0 23.5 35.3

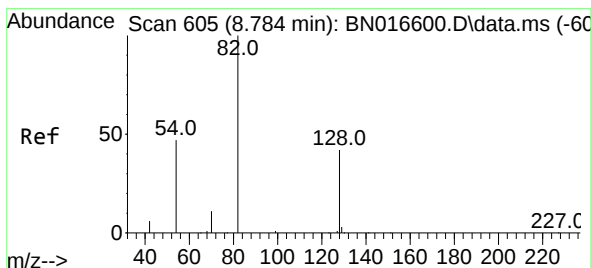
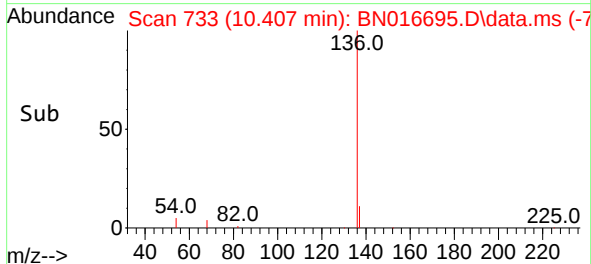
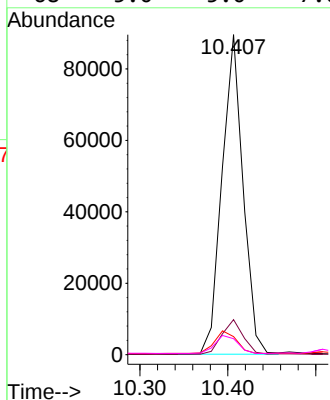
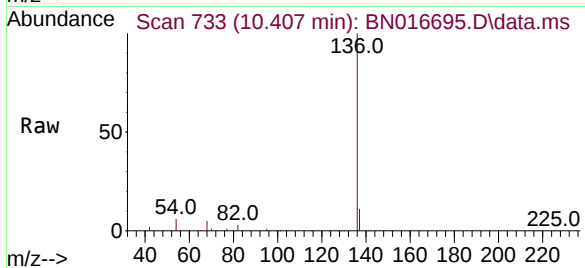




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

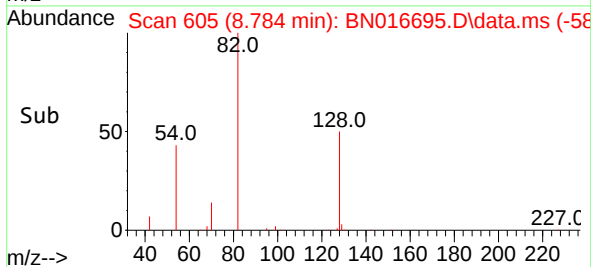
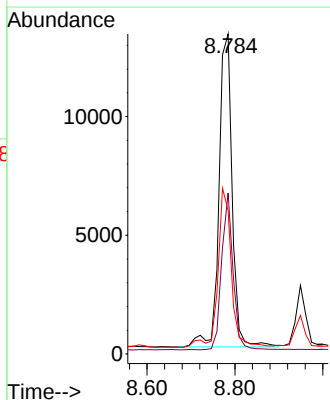
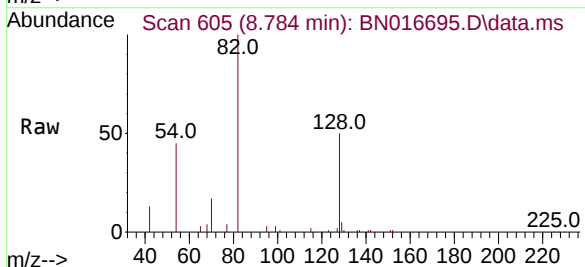
Instrument :
BNA_N
ClientSampleId :

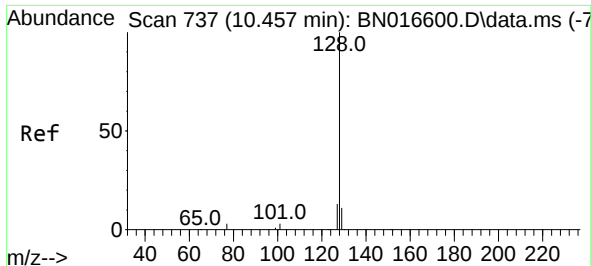
Tgt Ion:	136	Resp:	148783
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	5.7	5.9	8.9#
68	5.0	5.0	7.6#



#8
Nitrobenzene-d5
Concen: 0.284 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:	82	Resp:	27498
Ion Ratio	Lower	Upper	
82	100		
128	50.3	33.6	50.4
54	44.8	37.6	56.4

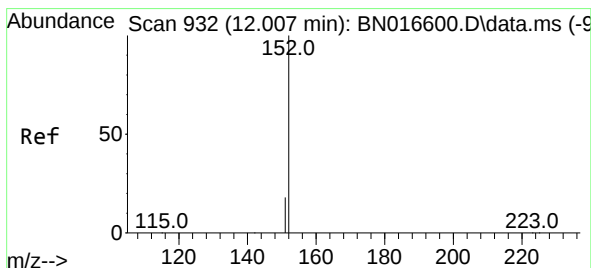
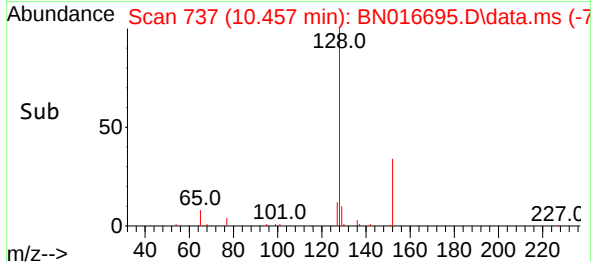
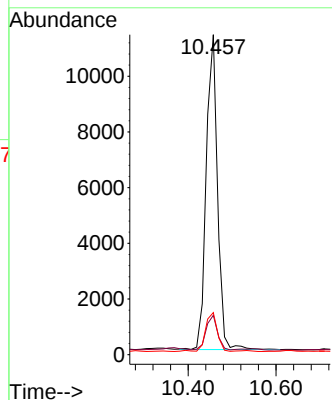
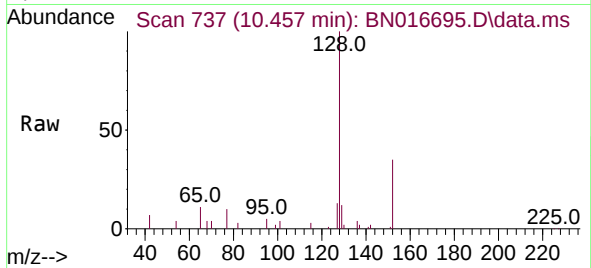




#9
Naphthalene
Concen: 0.050 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

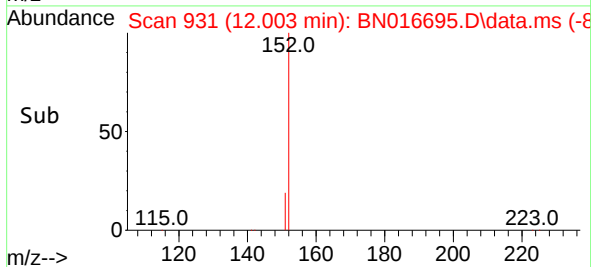
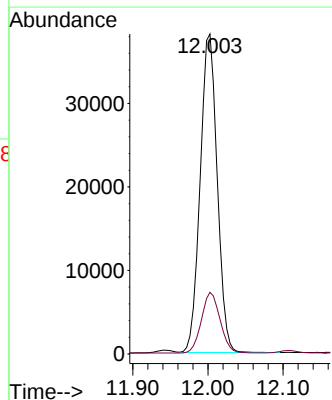
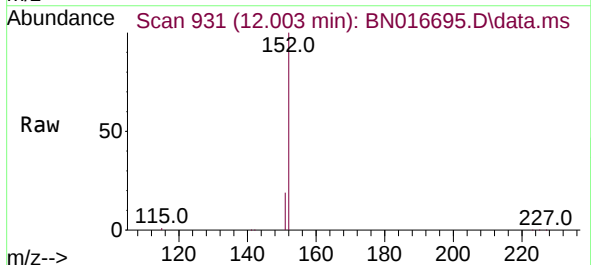
Instrument :
BNA_N
ClientSampleId :

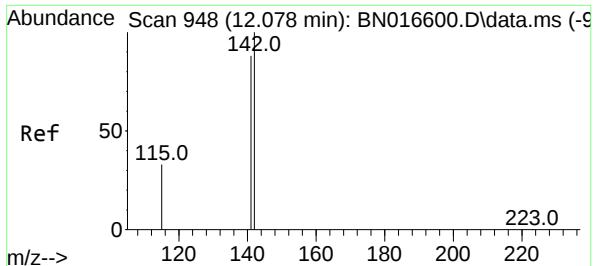
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.8	13.2
127	13.2	10.3	15.5



#11
2-Methylnaphthalene-d10
Concen: 0.273 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.4





#12

2-Methylnaphthalene

Concen: 0.049 ng

RT: 12.074 min Scan# 947

Delta R.T. -0.004 min

Lab File: BN016695.D

Acq: 03 Oct 2021 07:00

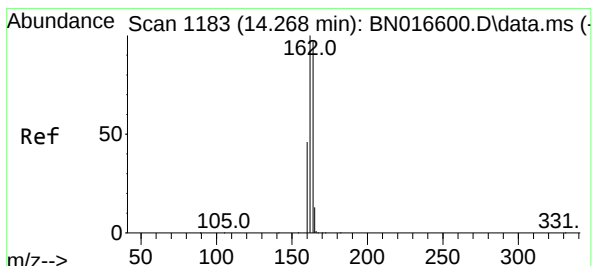
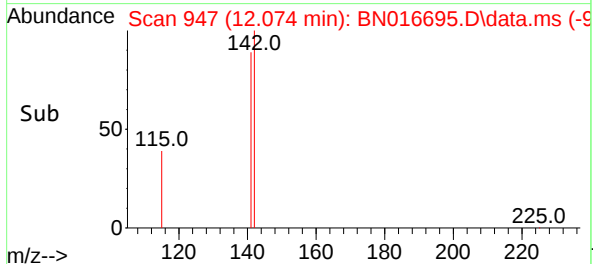
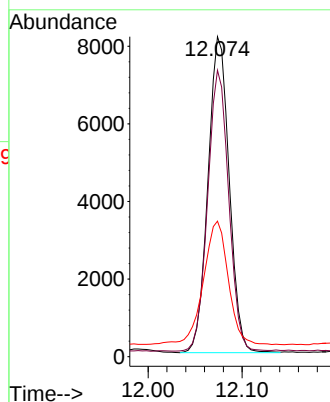
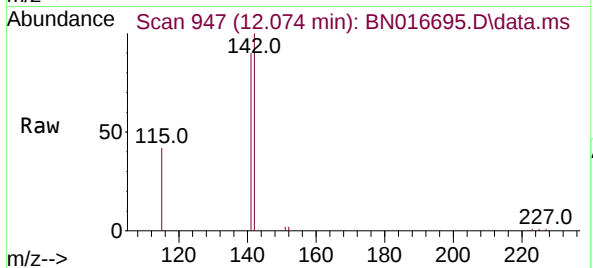
Tgt Ion:142 Resp: 12775

Ion Ratio Lower Upper

142 100

141 89.5 70.6 105.8

115 42.4 26.6 39.8#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.269 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BN016695.D

Acq: 03 Oct 2021 07:00

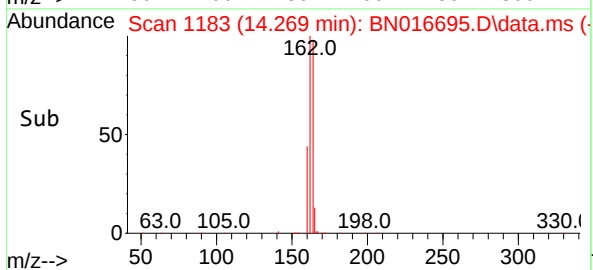
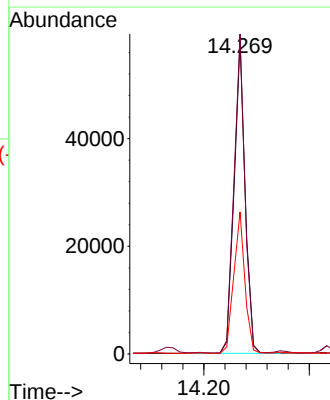
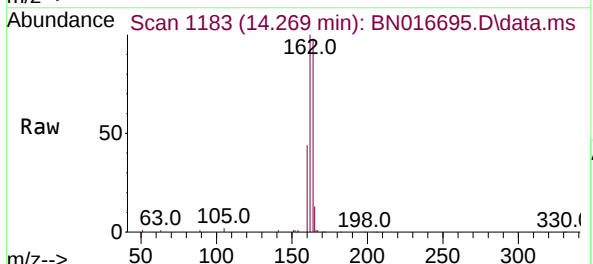
Tgt Ion:164 Resp: 84454

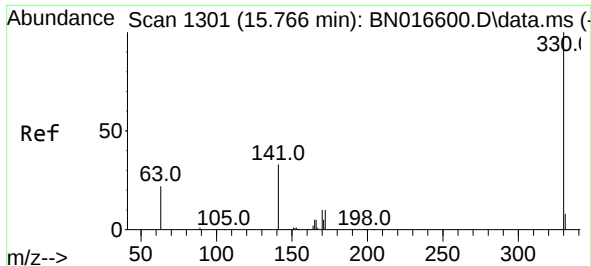
Ion Ratio Lower Upper

164 100

162 102.0 82.2 123.2

160 45.3 37.7 56.5

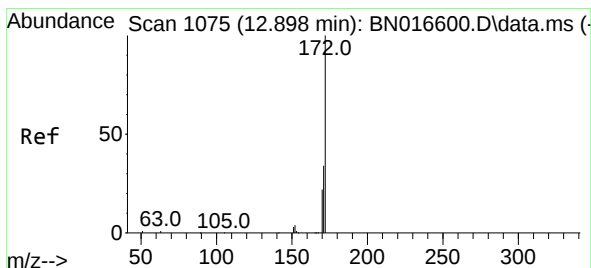
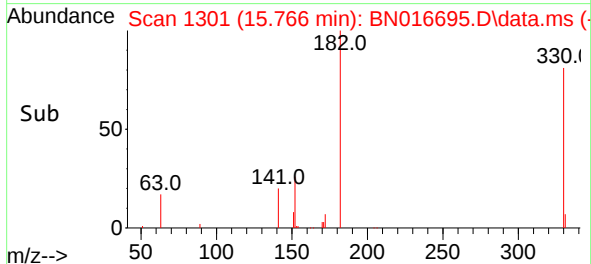
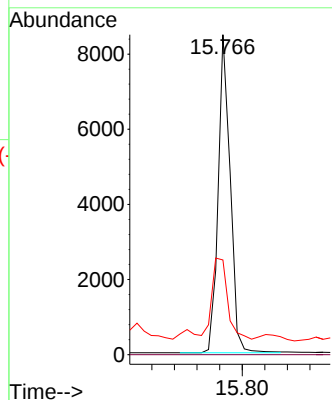
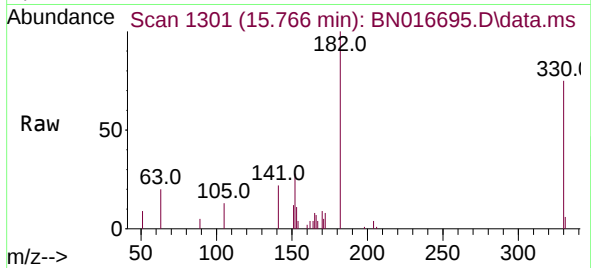




#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

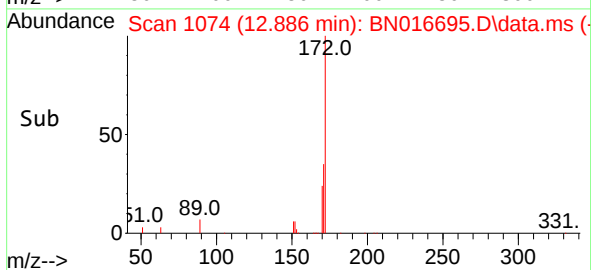
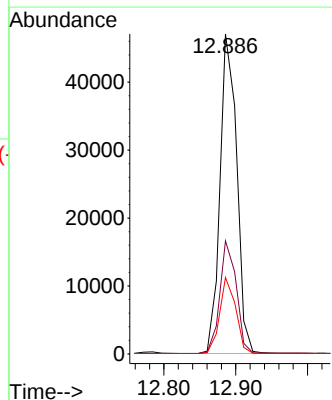
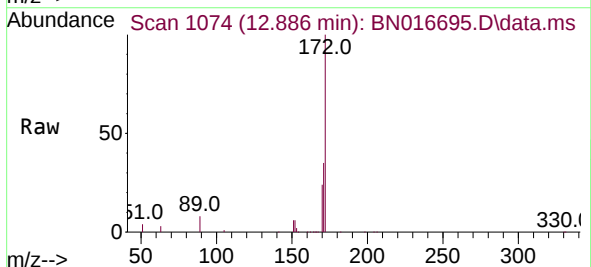
Instrument :
BNA_N
ClientSampled :

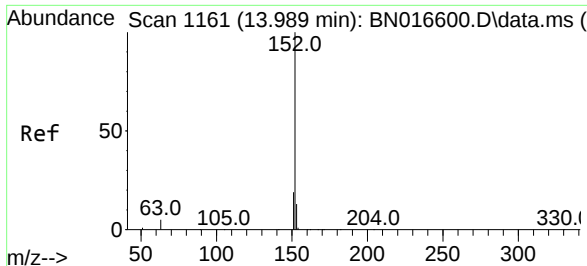
Tgt Ion:330 Resp: 12489
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.0 25.2 37.8



#15
2-Fluorobiphenyl
Concen: 0.222 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:172 Resp: 76011
Ion Ratio Lower Upper
172 100
171 35.4 27.0 40.4
170 23.9 17.4 26.2

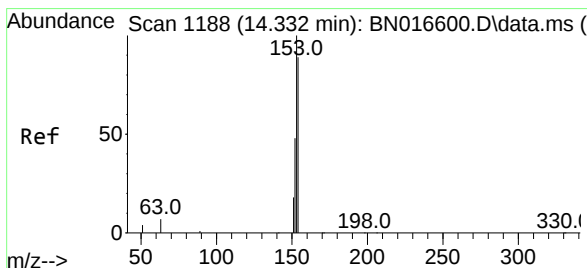
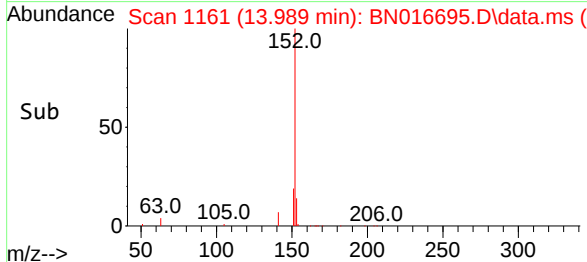
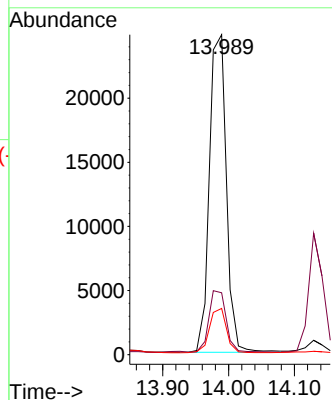
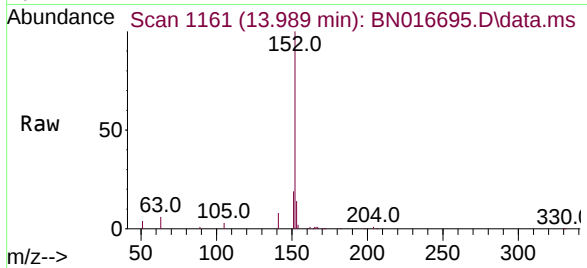




#16
Acenaphthylene
Concen: 0.120 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

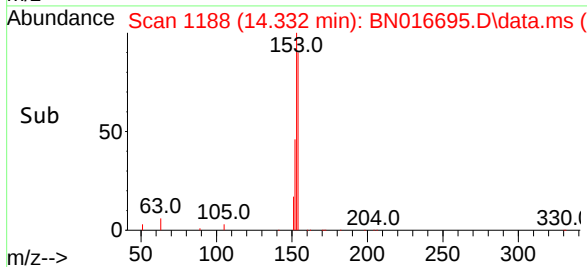
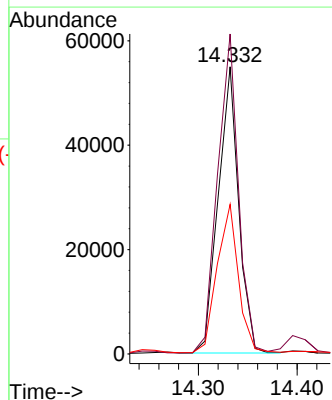
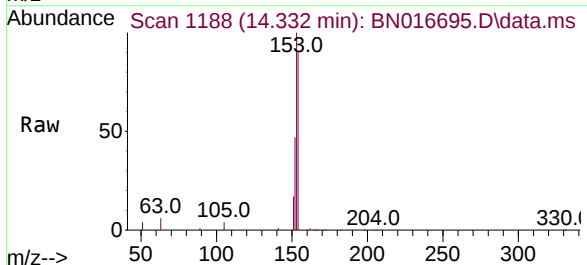
Instrument :
BNA_N
ClientSampleId :

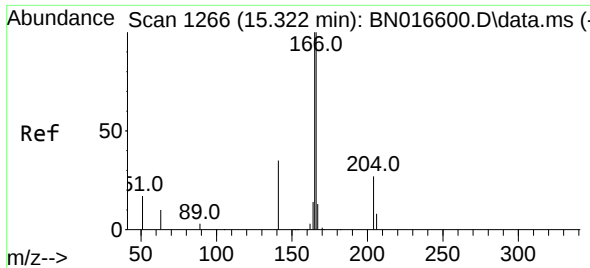
Tgt Ion:152	Resp:	44385
Ion Ratio	Lower	Upper
152	100	
151	19.5	15.5 23.3
153	14.0	10.4 15.6



#17
Acenaphthene
Concen: 0.316 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:154	Resp:	78486
Ion Ratio	Lower	Upper
154	100	
153	113.7	90.2 135.2
152	54.1	44.0 66.0

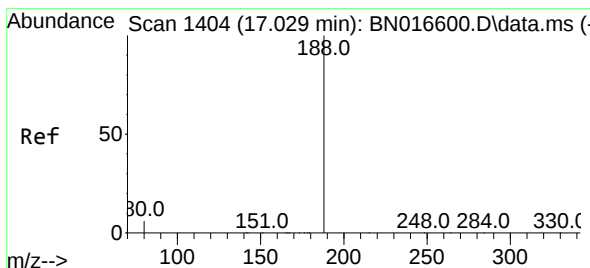
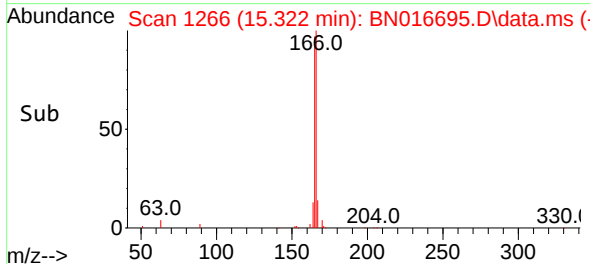
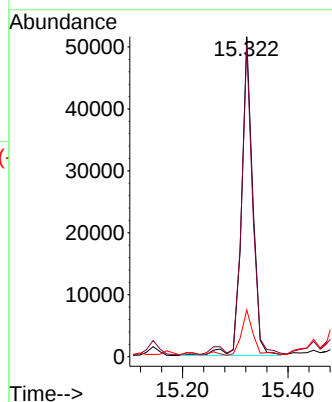
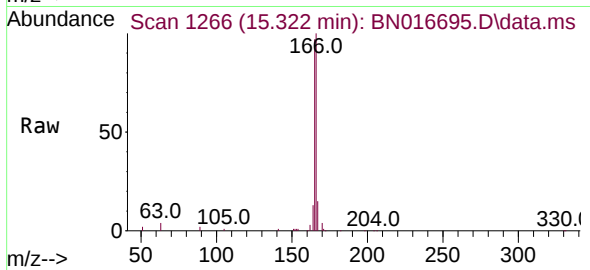




#18
Fluorene
Concen: 0.255 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

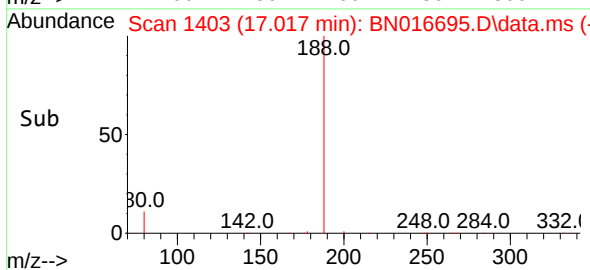
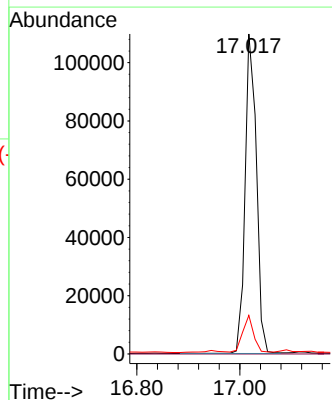
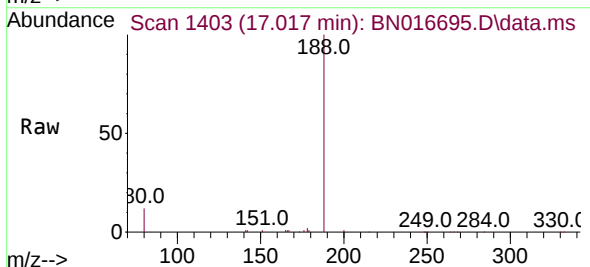
Instrument :
BNA_N
ClientSampled :

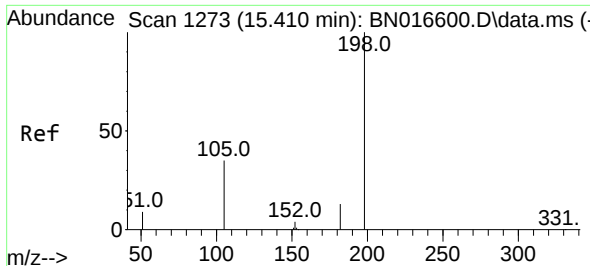
Tgt Ion:166 Resp: 74996
Ion Ratio Lower Upper
166 100
165 94.1 77.9 116.9
167 15.0 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:188 Resp: 166957
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 5.0 7.6#

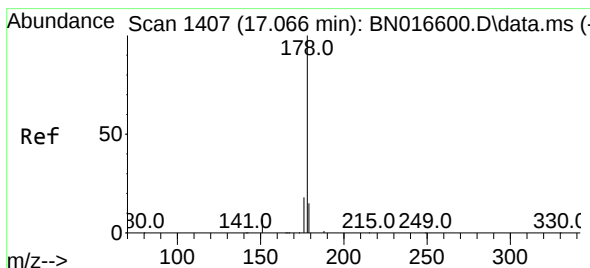
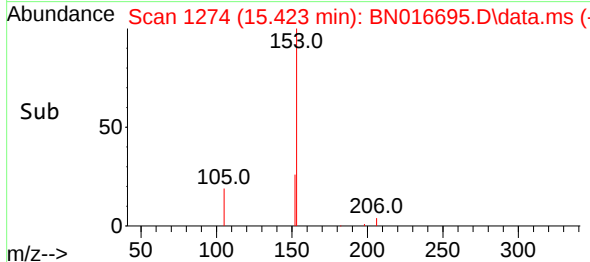
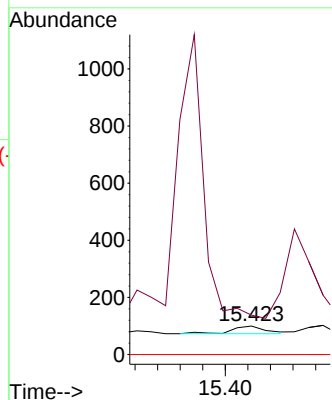
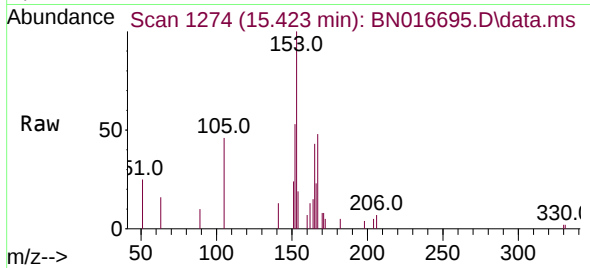




#20
4,6-Dinitro-2-methylphenol
Concen: 0.139 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

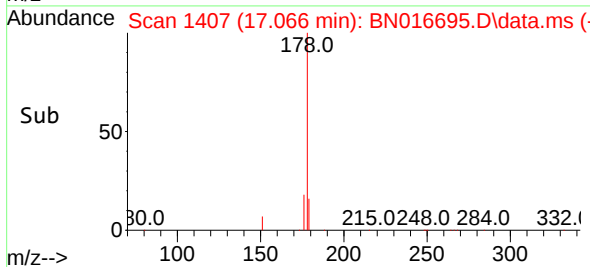
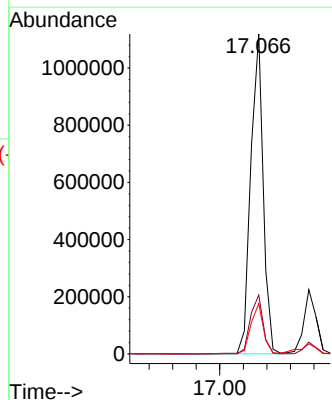
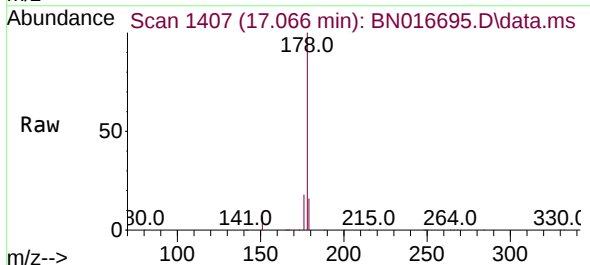
Instrument :
BNA_N
ClientSampled :

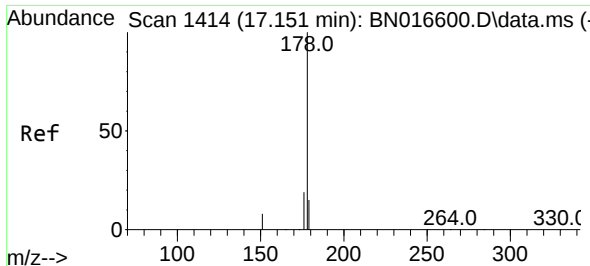
Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
182 138.0 11.8 17.8#
77 0.0 0.0 0.0



#25
Phenanthrene
Concen: 3.268 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

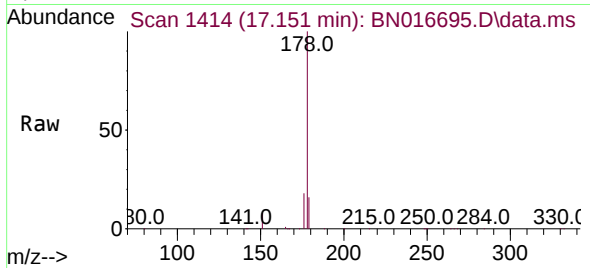
Tgt Ion:178 Resp: 1642142
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.8 12.2 18.4



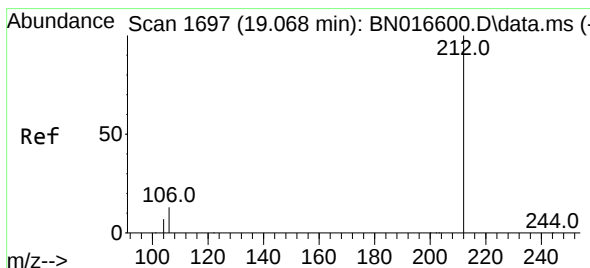
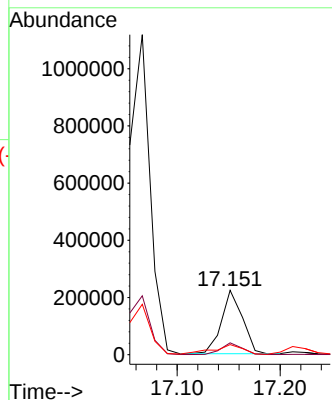
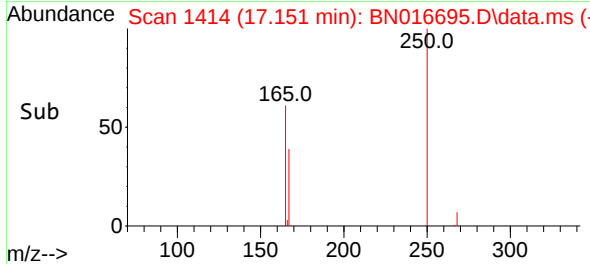


#26
 Anthracene
 Concen: 0.723 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

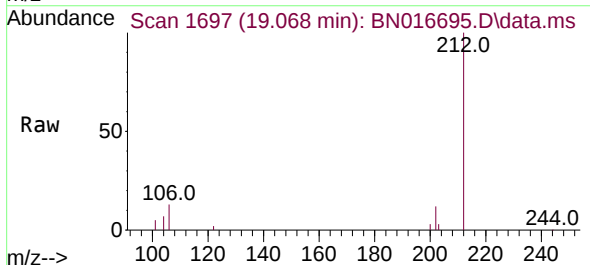
Instrument :
 BNA_N
 ClientSampleId :



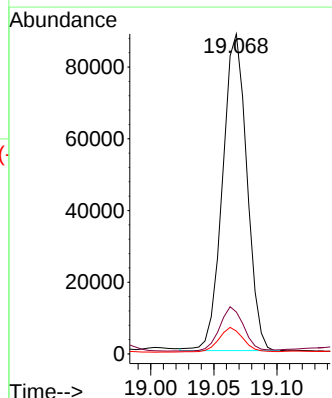
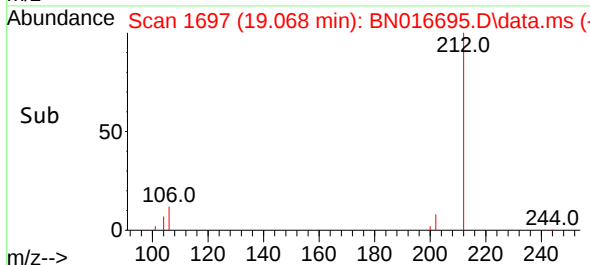
Tgt Ion:178 Resp: 313547
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 21.0 12.2 18.4#

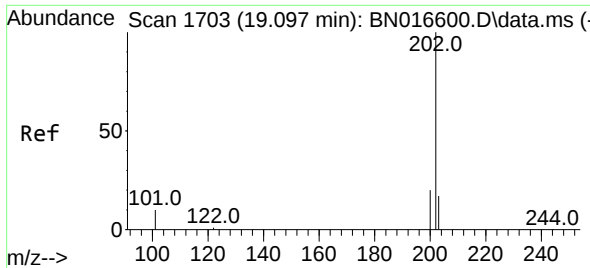


#27
 Fluoranthene-d10
 Concen: 0.267 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00



Tgt Ion:212 Resp: 118389
 Ion Ratio Lower Upper
 212 100
 106 13.8 10.6 16.0
 104 7.9 5.9 8.9

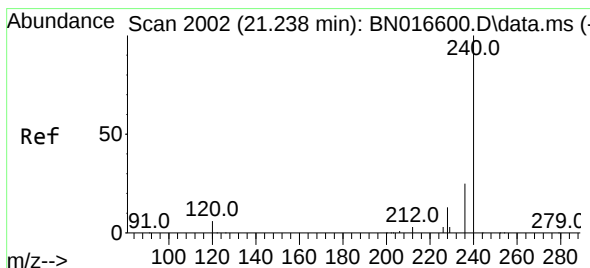
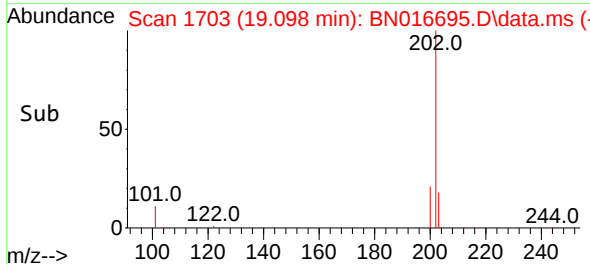
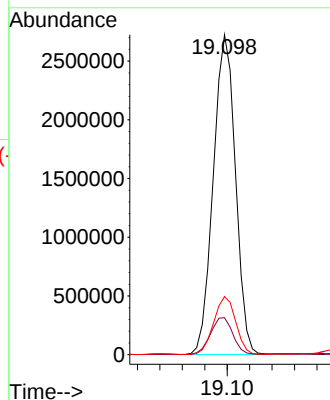
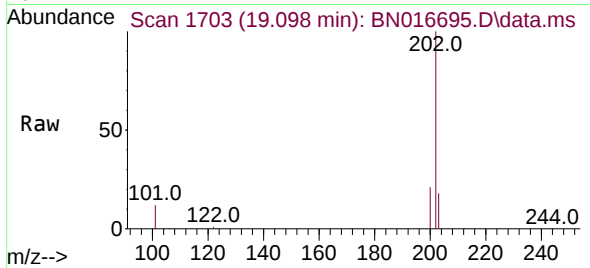




#28
Fluoranthene
Concen: 6.899 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

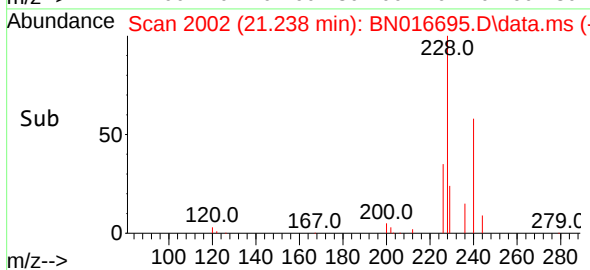
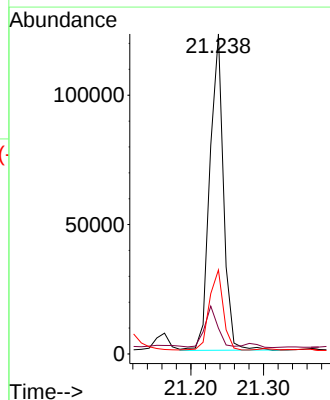
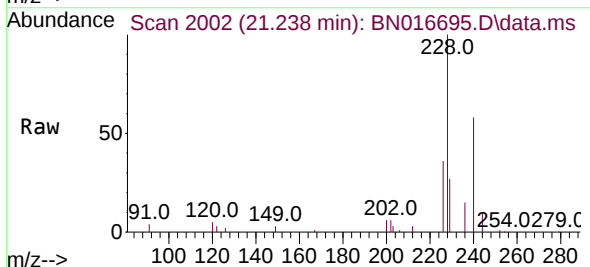
Instrument :
BNA_N
ClientSampleId :

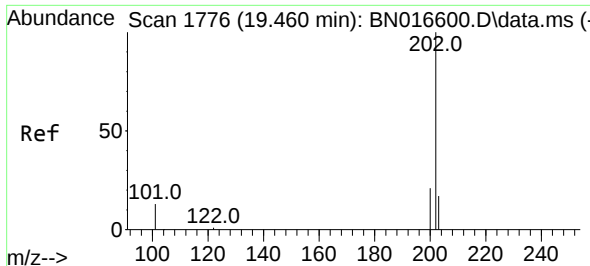
Tgt Ion:202 Resp: 3741652
Ion Ratio Lower Upper
202 100
101 11.7 9.0 13.4
203 18.0 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:240 Resp: 160190
Ion Ratio Lower Upper
240 100
120 8.0 5.0 7.4#
236 26.2 20.4 30.6

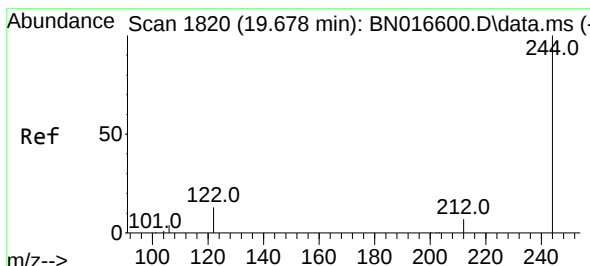
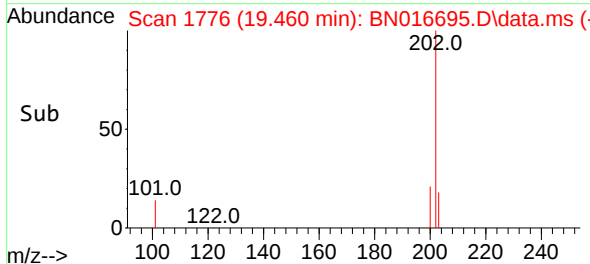
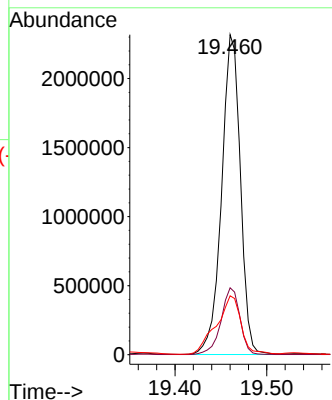
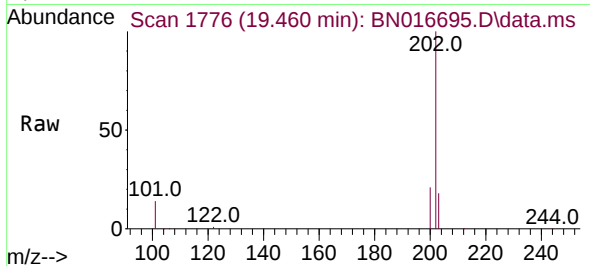




#30
Pyrene
Concen: 6.339 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

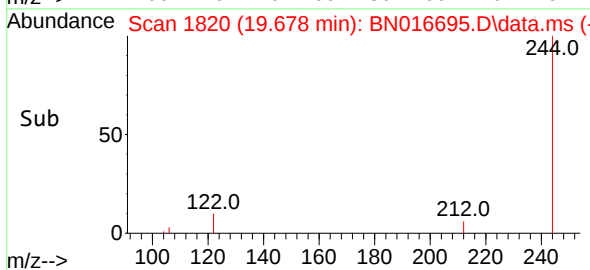
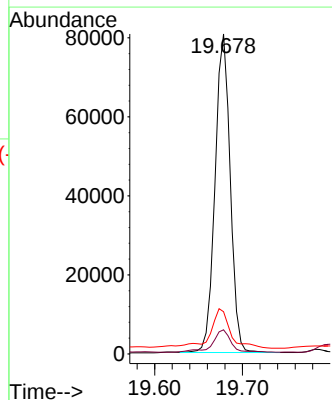
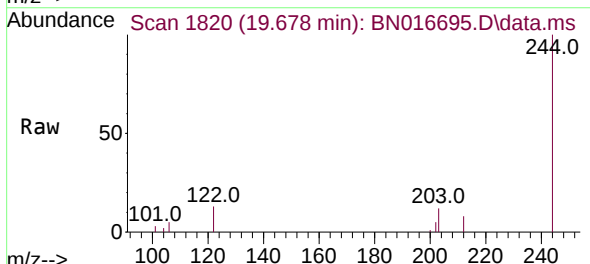
Instrument :
BNA_N
ClientSampleId :

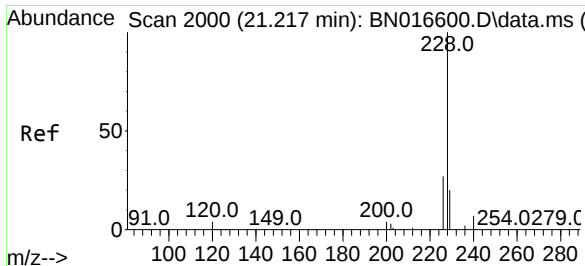
Tgt Ion:202 Resp: 3285473
Ion Ratio Lower Upper
202 100
200 21.0 16.5 24.7
203 23.9 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.277 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:244 Resp: 96532
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 13.2 10.1 15.1

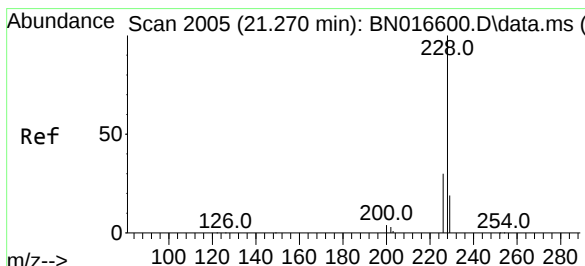
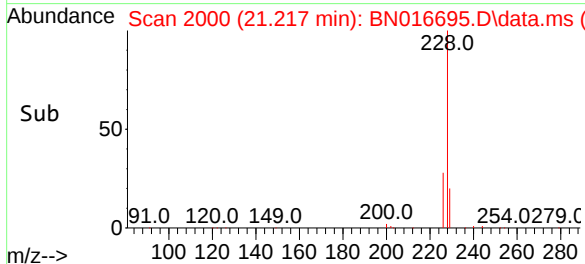
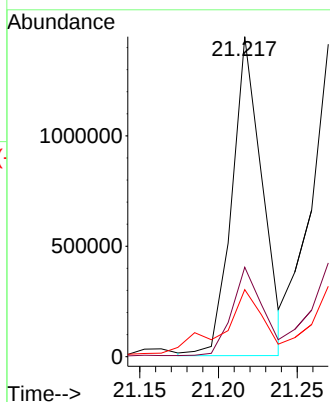
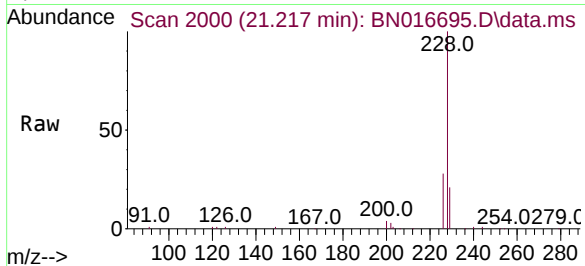




#32
Benzo(a)anthracene
Concen: 3.941 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

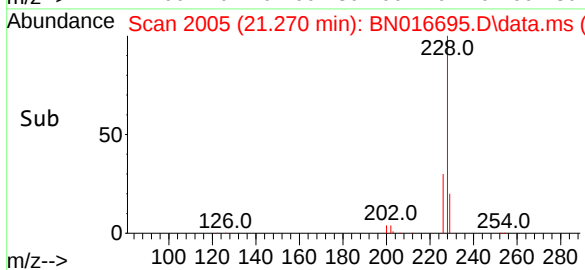
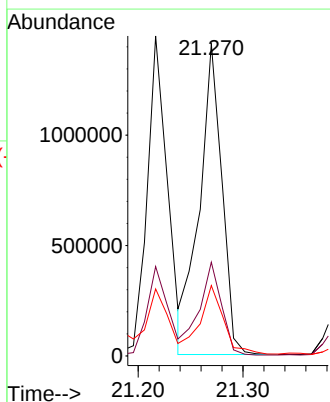
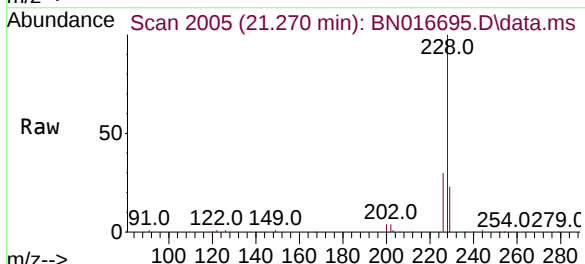
Instrument :
BNA_N
ClientSampled :

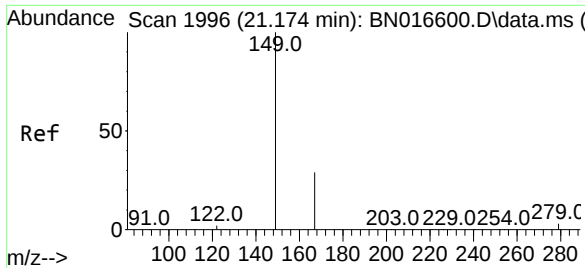
Tgt Ion:228 Resp: 1937856
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.9 15.7 23.5



#33
Chrysene
Concen: 4.213 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016695.D
Acq: 03 Oct 2021 07:00

Tgt Ion:228 Resp: 2097327
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 22.5 15.5 23.3

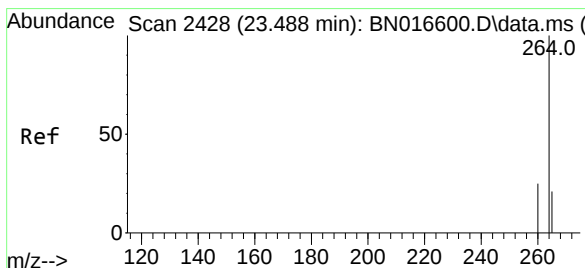
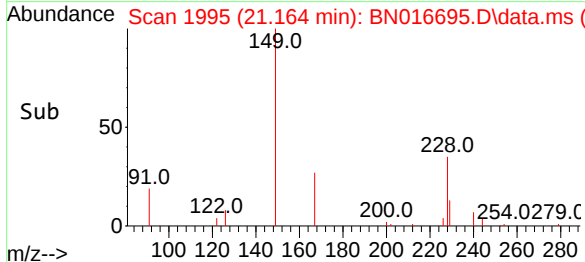
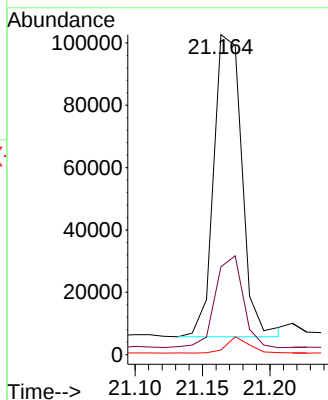
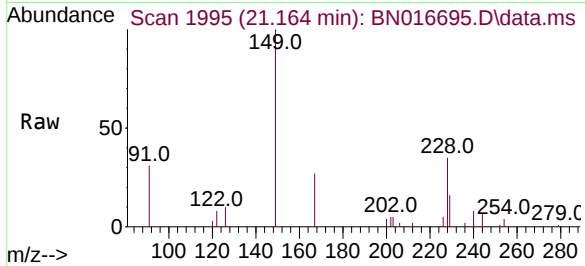




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.719 ng
 RT: 21.164 min Scan# 1995
 Delta R.T. -0.010 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

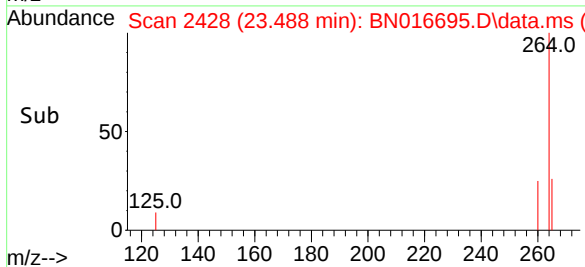
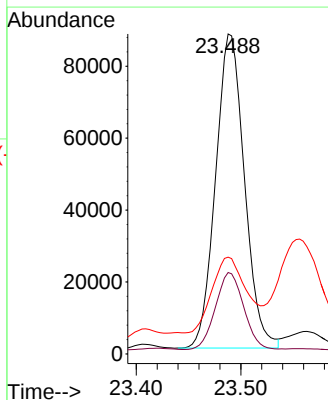
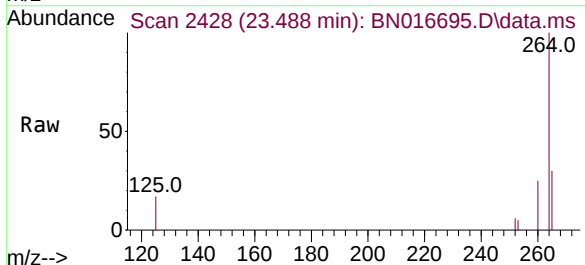
Instrument :
 BNA_N
 ClientSampleId :

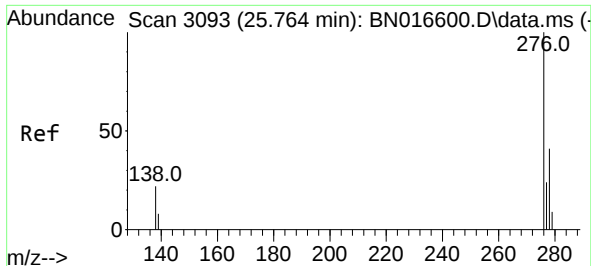
Tgt Ion:	149	Resp:	140865
Ion Ratio	Lower	Upper	
149	100		
167	30.0	22.2	33.4
279	4.3	3.2	4.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.488 min Scan# 2428
 Delta R.T. 0.000 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

Tgt Ion:	264	Resp:	167550
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.9	29.9
265	30.3	19.2	28.8

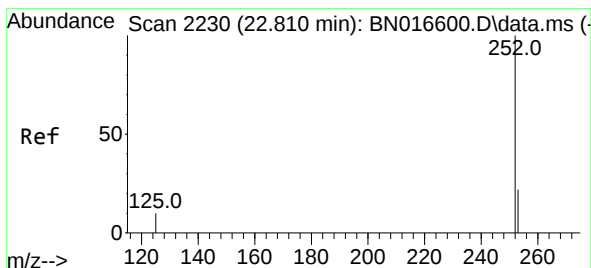
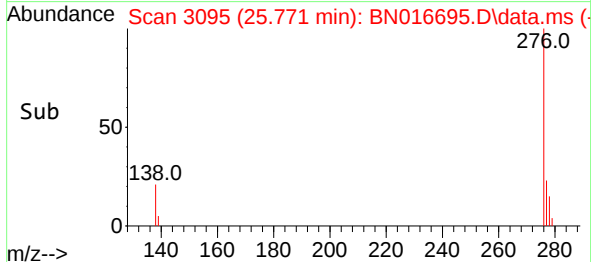
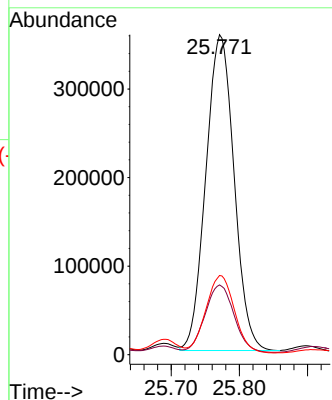
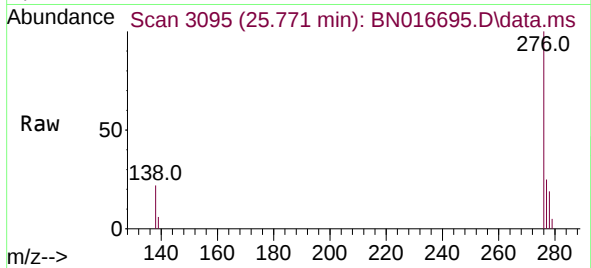




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.716 ng
 RT: 25.771 min Scan# 3095
 Delta R.T. 0.007 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

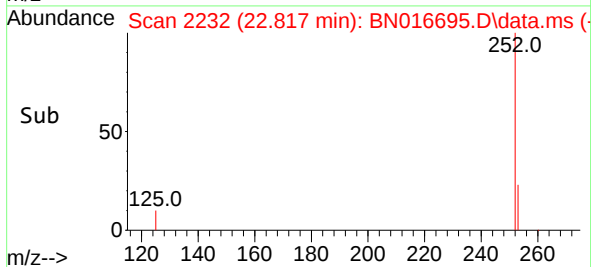
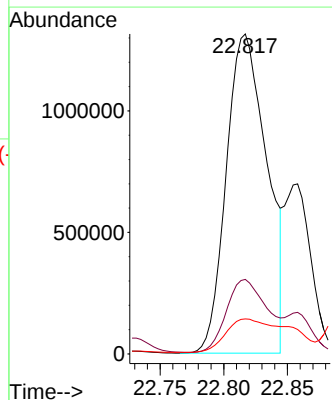
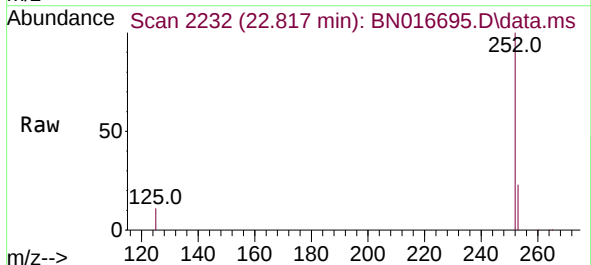
Instrument :
 BNA_N
 ClientSampleId :

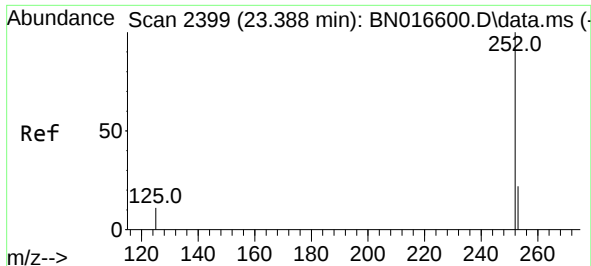
Tgt Ion:276 Resp: 1026136
 Ion Ratio Lower Upper
 276 100
 138 22.0 19.5 29.3
 277 24.8 19.9 29.9



#37
 Benzo(b)fluoranthene
 Concen: 5.410 ng
 RT: 22.817 min Scan# 2232
 Delta R.T. 0.007 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

Tgt Ion:252 Resp: 2912621
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.8
 125 11.0 8.0 12.0





#39

Benzo(a)pyrene

Concen: 3.905 ng

RT: 23.392 min Scan# 2400

Delta R.T. 0.004 min

Lab File: BN016695.D

Acq: 03 Oct 2021 07:00

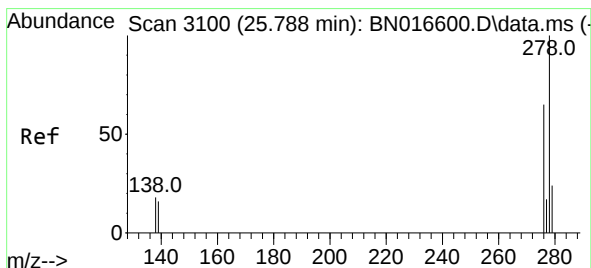
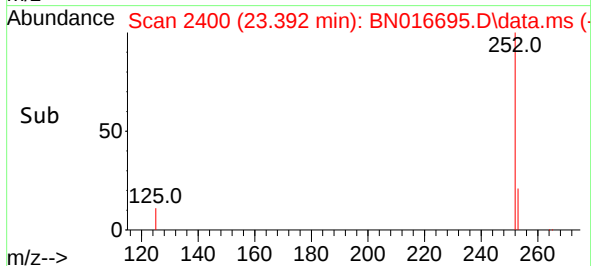
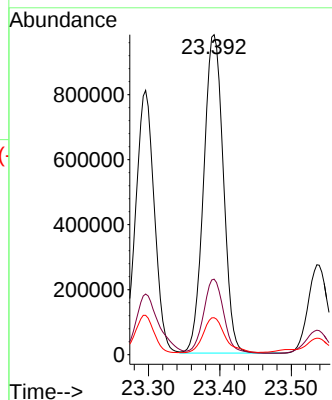
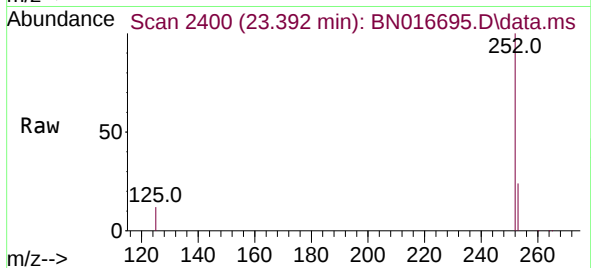
Tgt Ion:252 Resp: 1872578

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.5 9.0 13.4



#40

Dibenzo(a,h)anthracene

Concen: 0.547 ng

RT: 25.785 min Scan# 3099

Delta R.T. -0.003 min

Lab File: BN016695.D

Acq: 03 Oct 2021 07:00

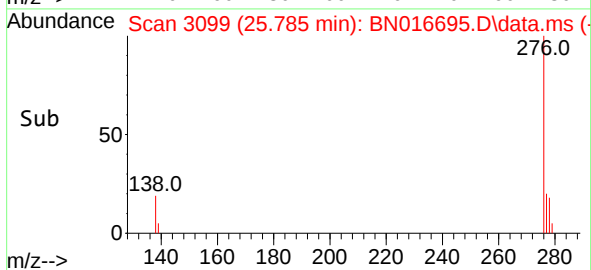
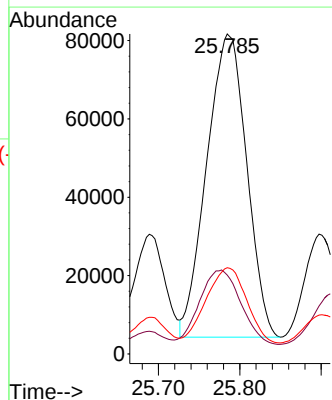
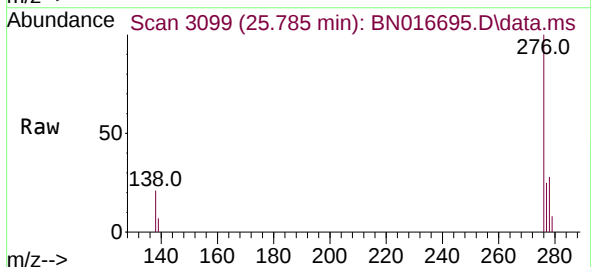
Tgt Ion:278 Resp: 263833

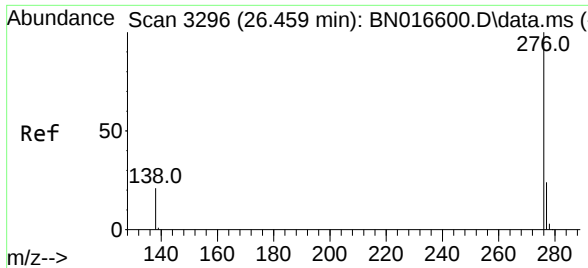
Ion Ratio Lower Upper

278 100

139 24.7 13.1 19.7#

279 27.0 19.1 28.7





#41
 Benzo(g,h,i)perylene
 Concen: 1.798 ng
 RT: 26.473 min Scan# 3300
 Delta R.T. 0.014 min
 Lab File: BN016695.D
 Acq: 03 Oct 2021 07:00

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:	276	Resp:	950570
Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.6
138	22.6	16.9	25.3

