

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016700.D
 Acq On : 03 Oct 2021 10:00
 Operator : CG/JU
 Sample : M3892-11
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 03:38:03 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

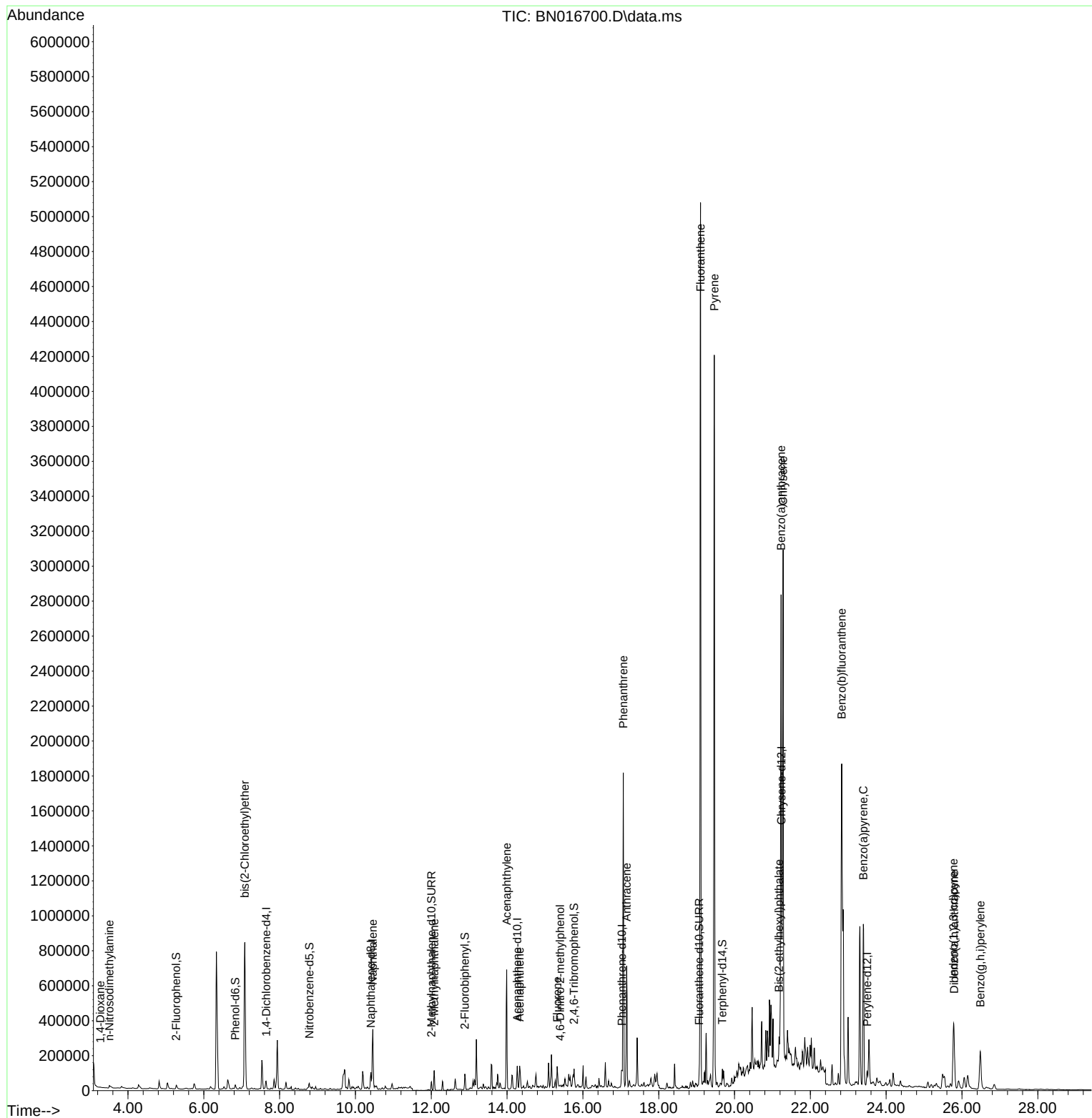
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	26167	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	122479	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	71330	0.400	ng	0.00
19) Phenanthrene-d10	17.030	188	140143	0.400	ng	# 0.00
29) Chrysene-d12	21.238	240	135529	0.400	ng	# 0.00
35) Perylene-d12	23.498	264	96623	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	24454	0.367	ng	0.02
5) Phenol-d6	6.831	99	24801	0.340	ng	0.00
8) Nitrobenzene-d5	8.784	82	32000	0.401	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	63443	0.350	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	15106	0.465	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	76208	0.264	ng	-0.01
27) Fluoranthene-d10	19.068	212	107033	0.287	ng	0.00
31) Terphenyl-d14	19.678	244	87912	0.298	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.272	88	318	0.026	ng	# 1
3) n-Nitrosodimethylamine	3.511	42	5126	0.265	ng	# 1
6) bis(2-Chloroethyl)ether	7.080	93	1647287	23.206	ng	# 24
9) Naphthalene	10.457	128	197561	0.594	ng	100
12) 2-Methylnaphthalene	12.078	142	79474	0.374	ng	99
16) Acenaphthylene	13.989	152	740413	2.373	ng	99
17) Acenaphthene	14.332	154	53888	0.257	ng	97
18) Fluorene	15.322	166	82261	0.331	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.398	198	176	0.146	ng	# 1
25) Phenanthrene	17.066	178	1732863	4.109	ng	100
26) Anthracene	17.151	178	742313	2.039	ng	97
28) Fluoranthene	19.103	202	4820388	10.588	ng	98
30) Pyrene	19.465	202	3950628	9.009	ng	# 94
32) Benzo(a)anthracene	21.227	228	2356504	5.665	ng	95
33) Chrysene	21.280	228	2671788	6.343	ng	98
34) Bis(2-ethylhexyl)phtha...	21.174	149	132281	0.798	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.778	276	593104	1.720	ng	97
37) Benzo(b)fluoranthene	22.827	252	3107183	10.007	ng	98
39) Benzo(a)pyrene	23.399	252	1276893	4.617	ng	98
40) Dibenzo(a,h)anthracene	25.795	278	164455	0.591	ng	# 89
41) Benzo(g,h,i)perylene	26.483	276	445713	1.462	ng	99

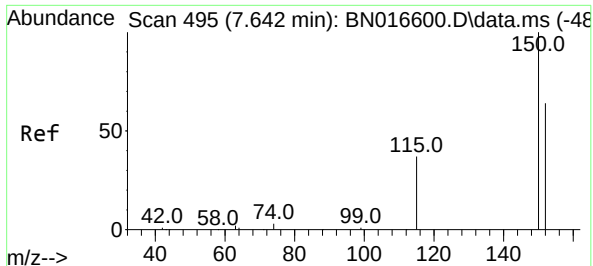
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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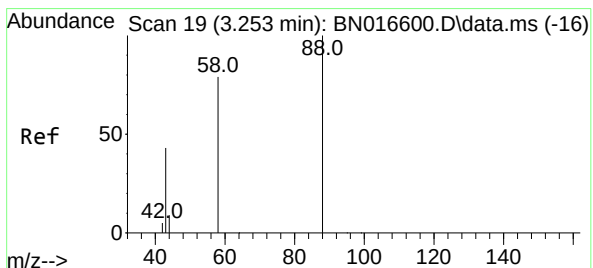
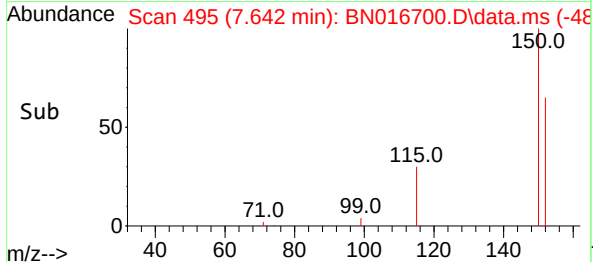
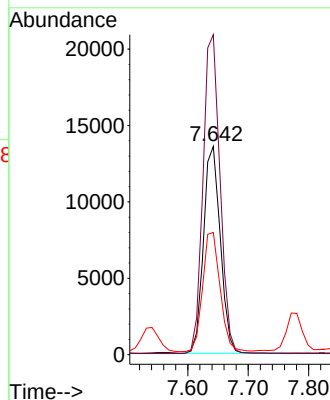
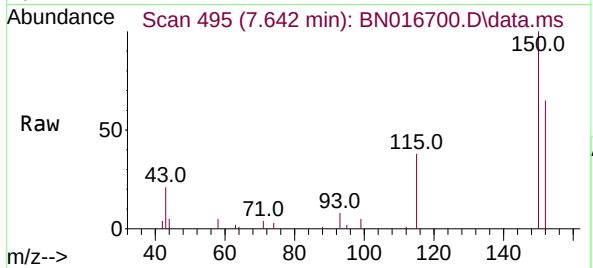




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.642 min Scan# 495
 Delta R.T. 0.000 min
 Lab File: BN016700.D
 Acq: 03 Oct 2021 10:00

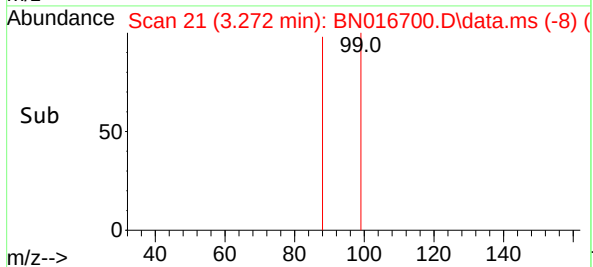
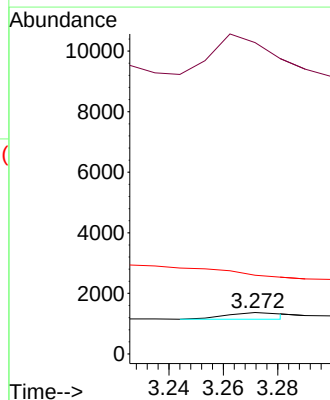
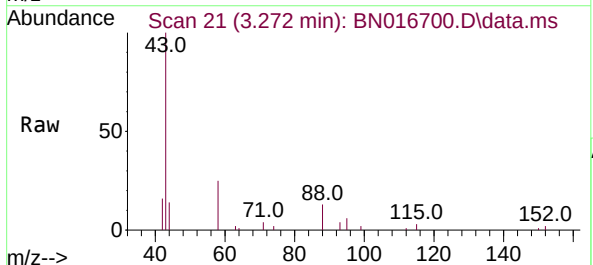
Instrument :
 BNA_N
 ClientSampled :

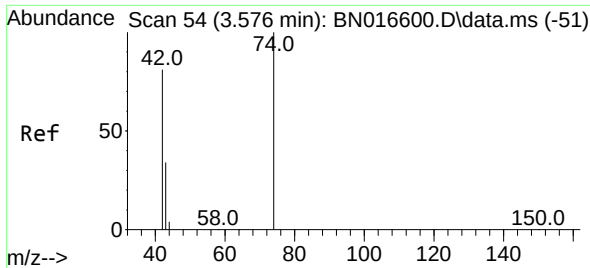
Tgt Ion:152 Resp: 26167
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.6 186.8
 115 58.7 46.5 69.7



#2
 1,4-Dioxane
 Concen: 0.026 ng
 RT: 3.272 min Scan# 21
 Delta R.T. 0.019 min
 Lab File: BN016700.D
 Acq: 03 Oct 2021 10:00

Tgt Ion: 88 Resp: 318
 Ion Ratio Lower Upper
 88 100
 43 587.1 37.8 56.8#
 58 0.0 61.3 91.9#

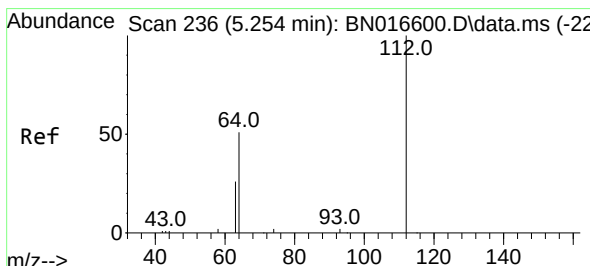
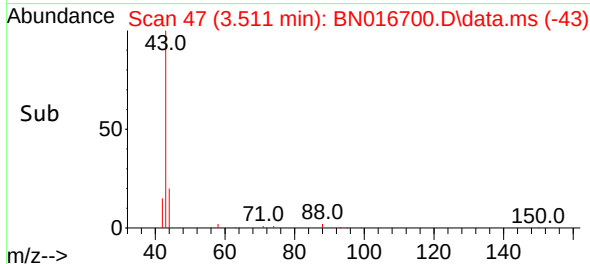
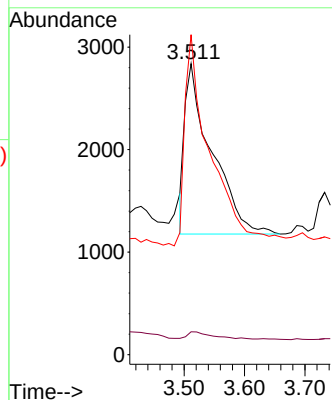
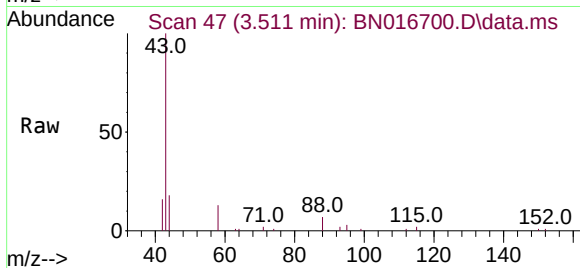




#3
n-Nitrosodimethylamine
Concen: 0.265 ng
RT: 3.511 min Scan# 47
Delta R.T. -0.064 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

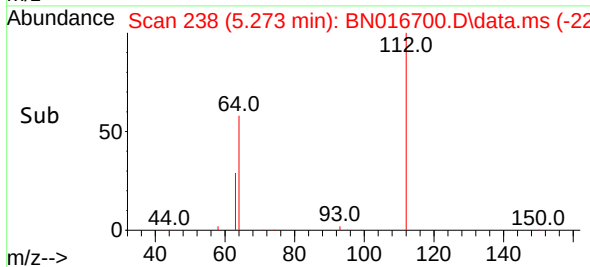
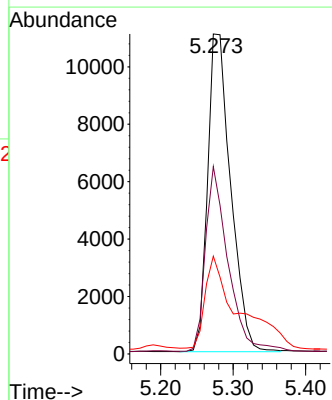
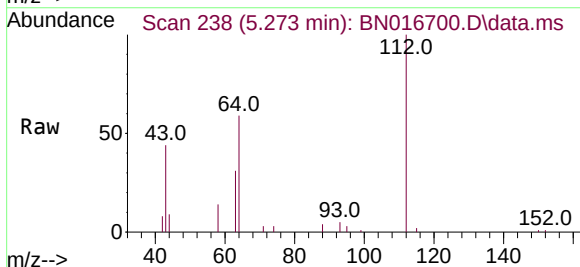
Instrument :
BNA_N
ClientSampled :

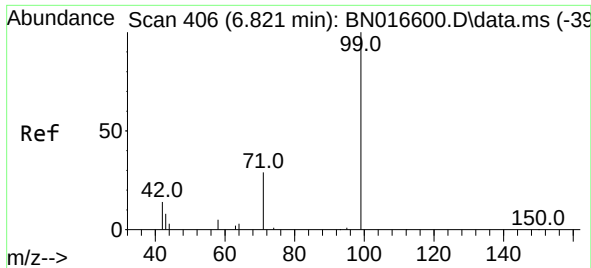
Tgt Ion: 42 Resp: 5126
Ion Ratio Lower Upper
42 100
74 3.8 121.6 182.4#
44 102.6 6.3 9.5#



#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion: 112 Resp: 24454
Ion Ratio Lower Upper
112 100
64 56.6 43.1 64.7
63 40.8 21.6 32.4#

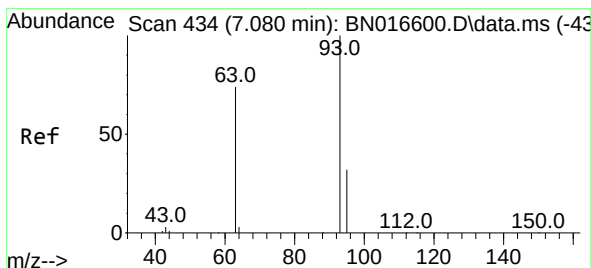
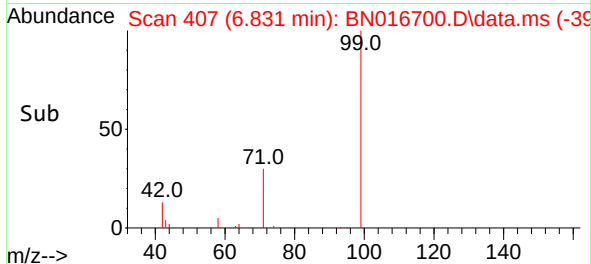
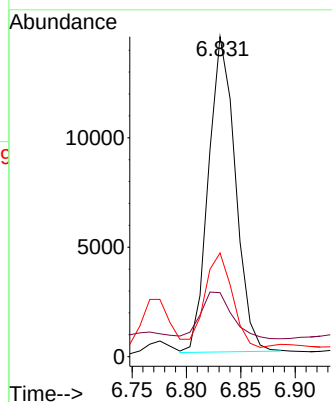
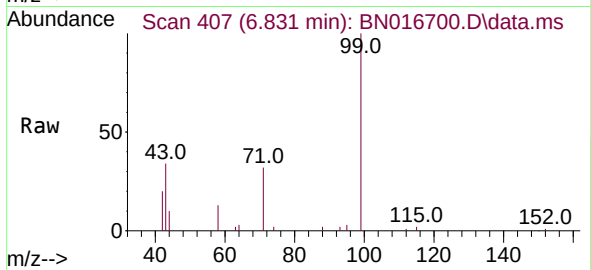




#5
Phenol-d6
Concen: 0.340 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

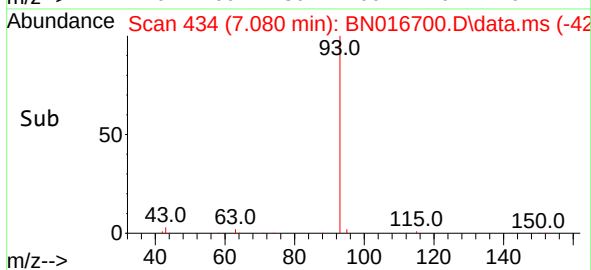
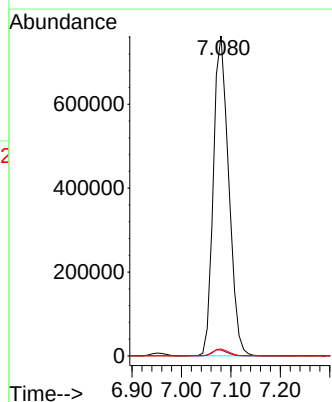
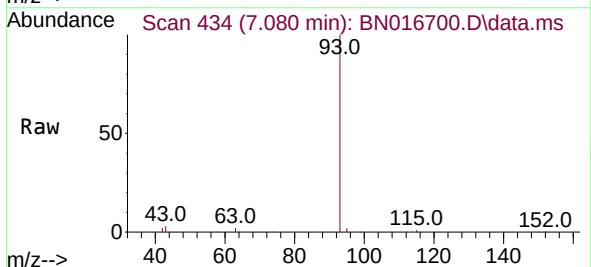
Instrument :
BNA_N
ClientSampled :

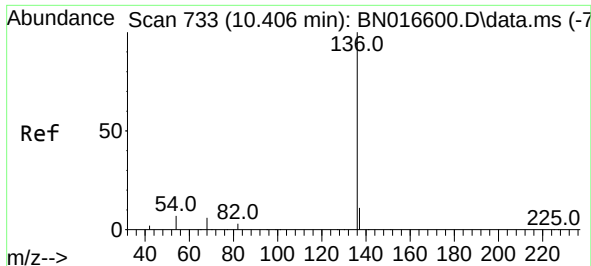
Tgt Ion: 99 Resp: 24801
Ion Ratio Lower Upper
99 100
42 17.3 13.0 19.6
71 30.7 23.5 35.3



#6
bis(2-Chloroethyl)ether
Concen: 23.206 ng
RT: 7.080 min Scan# 434
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion: 93 Resp: 1647287
Ion Ratio Lower Upper
93 100
63 1.9 59.1 88.7#
95 2.2 26.2 39.4#

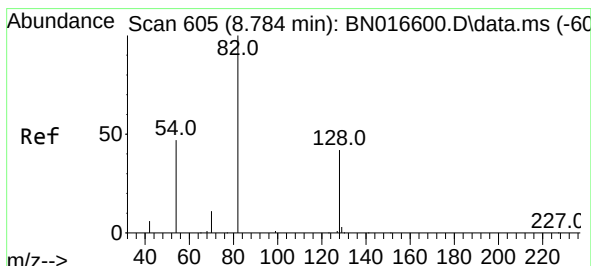
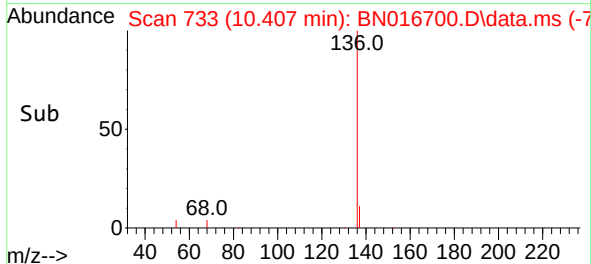
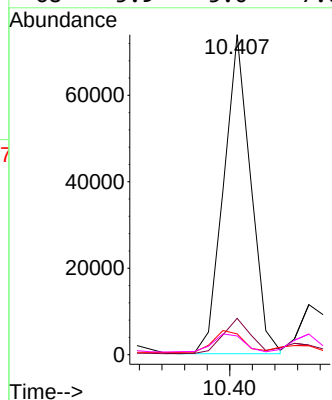
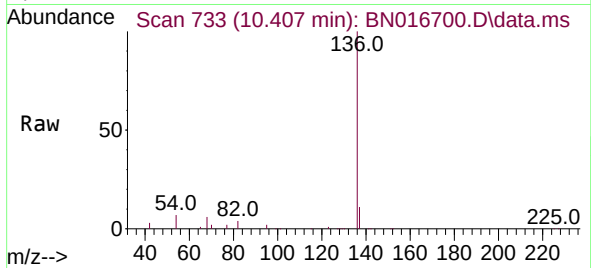




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

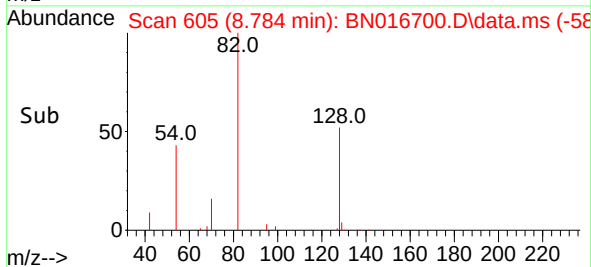
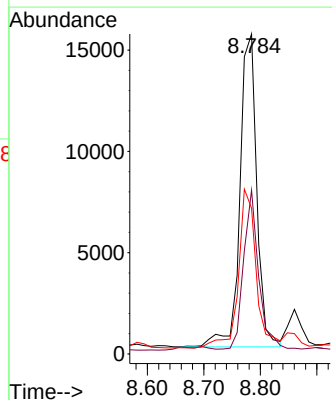
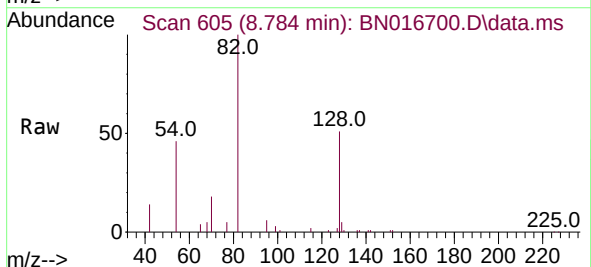
Instrument :
BNA_N
ClientSampled :

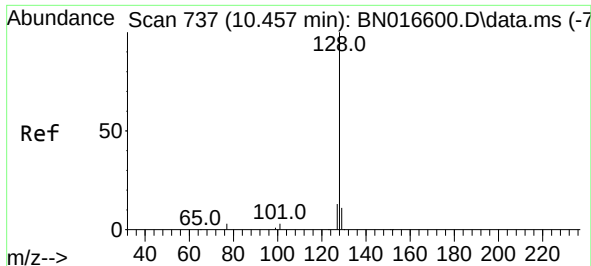
Tgt Ion:136	Resp:	122479
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.7 13.1
54	6.5	5.9 8.9
68	5.9	5.0 7.6



#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion: 82	Resp:	32000
Ion Ratio	Lower	Upper
82	100	
128	51.2	33.6 50.4#
54	45.6	37.6 56.4

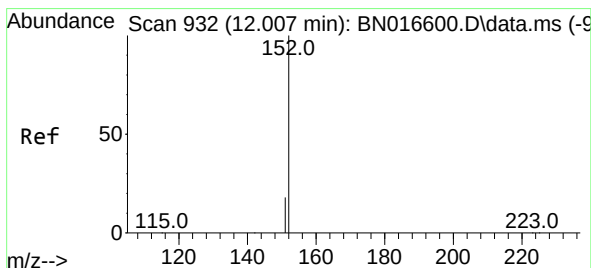
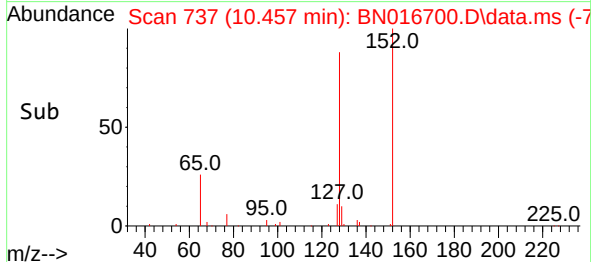
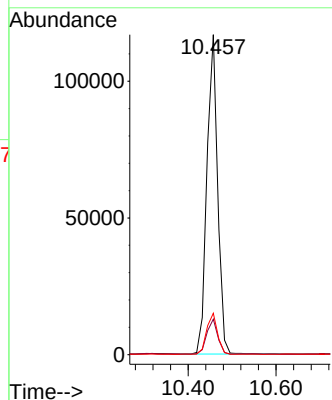
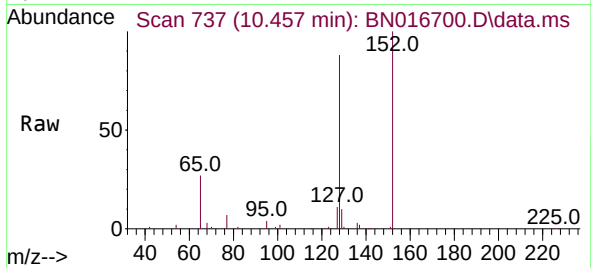




#9
Naphthalene
Concen: 0.594 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

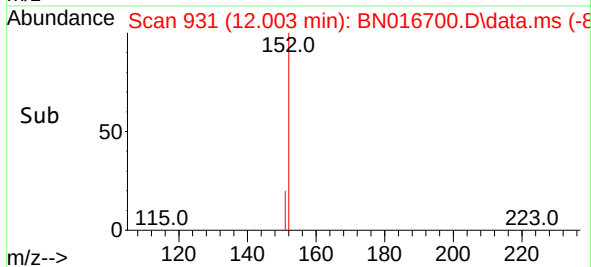
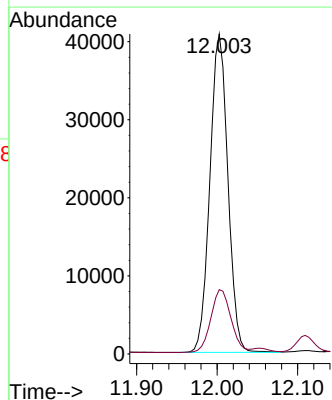
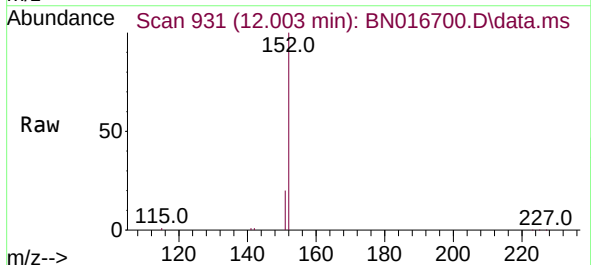
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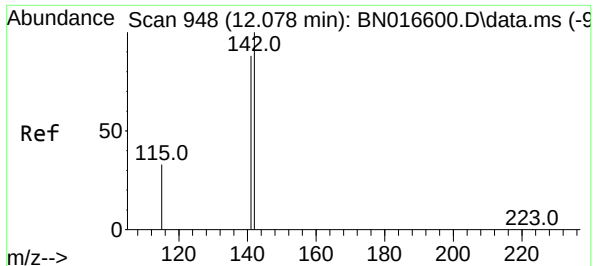
Tgt Ion:128 Resp: 197561
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.9 10.3 15.5



#11
2-Methylnaphthalene-d10
Concen: 0.350 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:152 Resp: 63443
Ion Ratio Lower Upper
152 100
151 22.1 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.374 ng

RT: 12.078 min Scan# 948

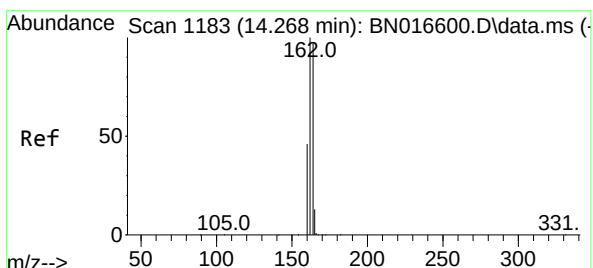
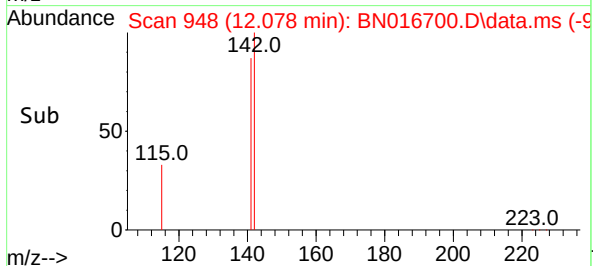
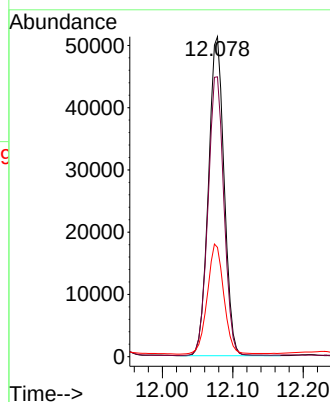
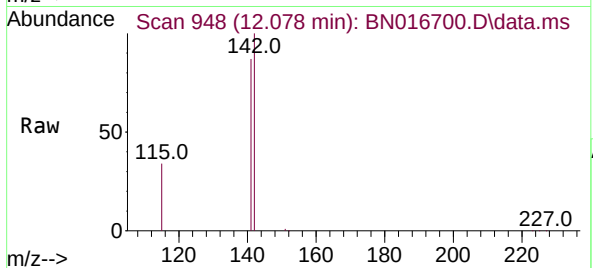
Delta R.T. 0.000 min

Lab File: BN016700.D

Acq: 03 Oct 2021 10:00

Tgt Ion:	142	Resp:	79474
Ion Ratio	Lower	Upper	
142	100		
141	87.5	70.6	105.8
115	34.1	26.6	39.8

Instrument :
BNA_N
ClientSampled :



#13

Acenaphthene-d10

Concen: 0.400 ng

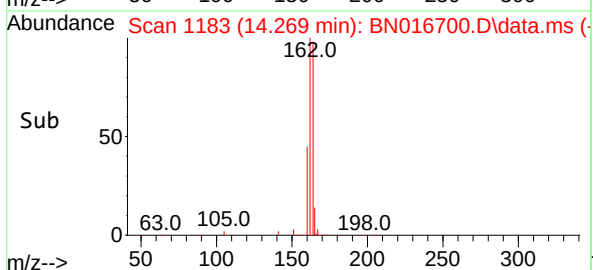
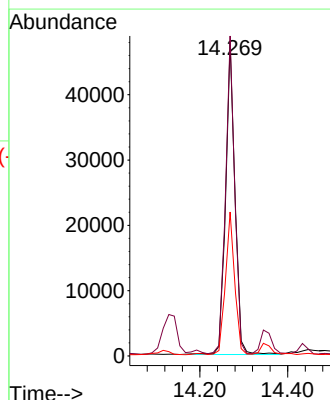
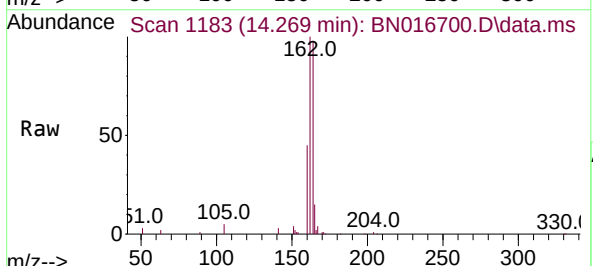
RT: 14.269 min Scan# 1183

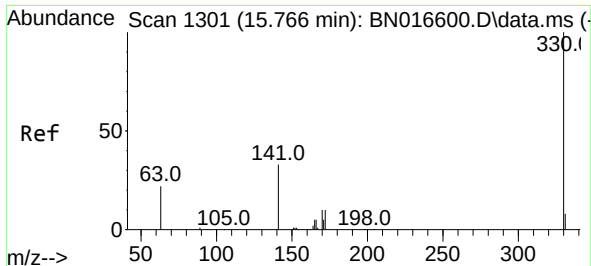
Delta R.T. 0.000 min

Lab File: BN016700.D

Acq: 03 Oct 2021 10:00

Tgt Ion:	164	Resp:	71330
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.2	123.2
160	46.0	37.7	56.5

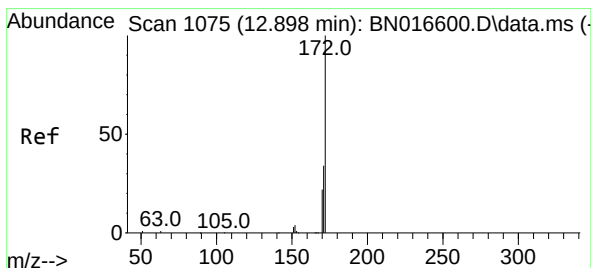
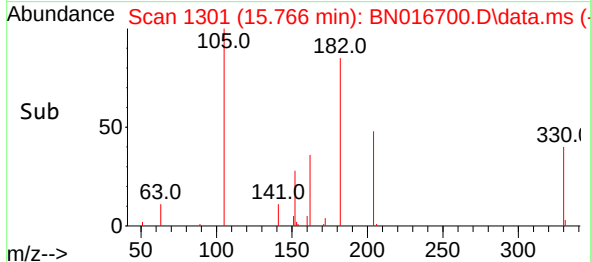
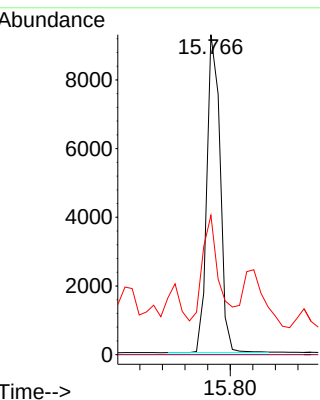
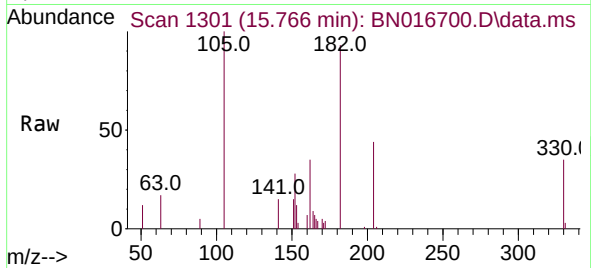




#14
2,4,6-Tribromophenol
Concen: 0.465 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

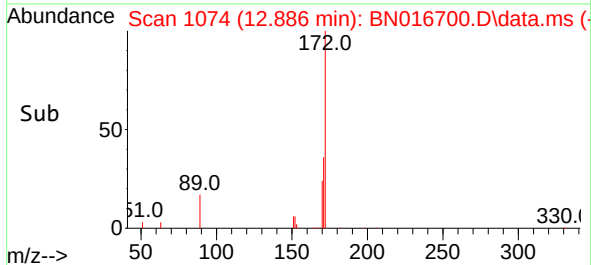
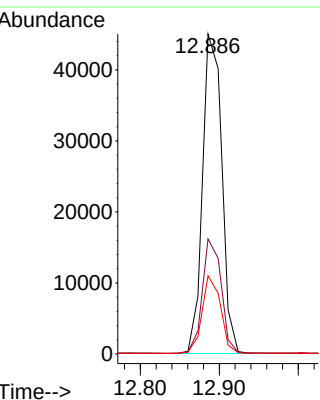
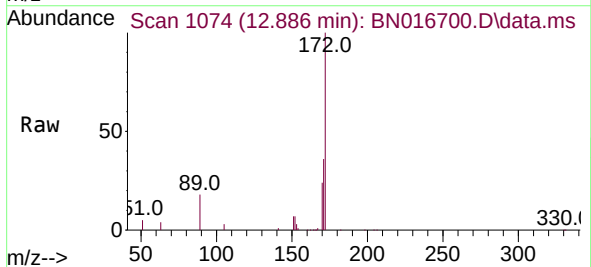
Instrument :
BNA_N
ClientSampled :

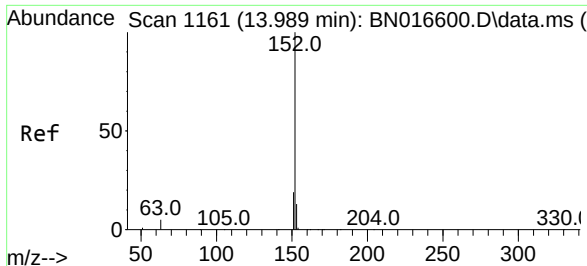
Tgt Ion:330 Resp: 15106
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 38.7 25.2 37.8#



#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:172 Resp: 76208
Ion Ratio Lower Upper
172 100
171 35.9 27.0 40.4
170 24.5 17.4 26.2

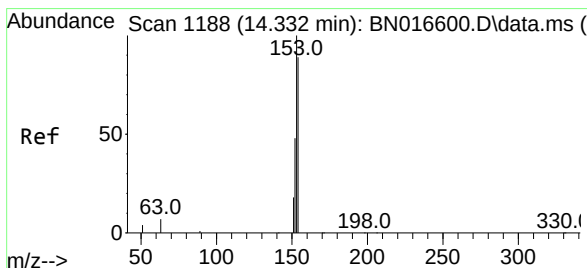
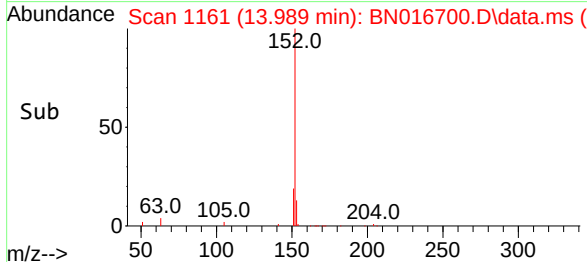
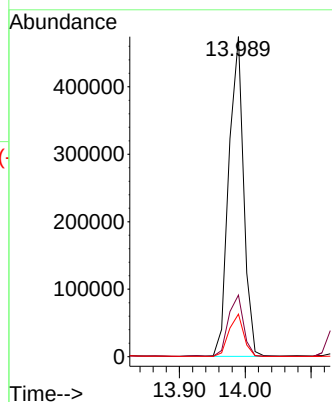
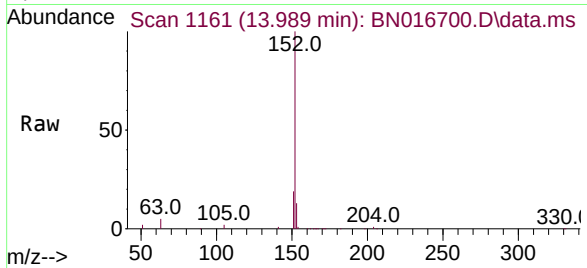




#16
Acenaphthylene
Concen: 2.373 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

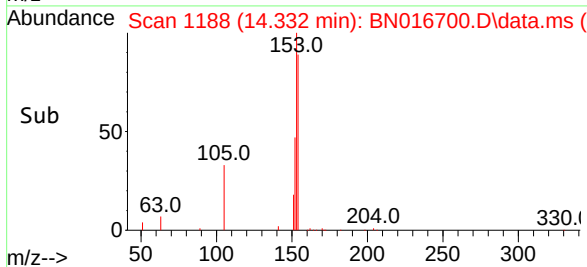
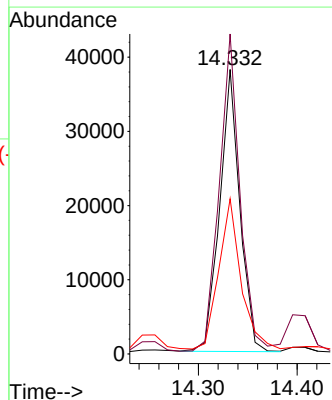
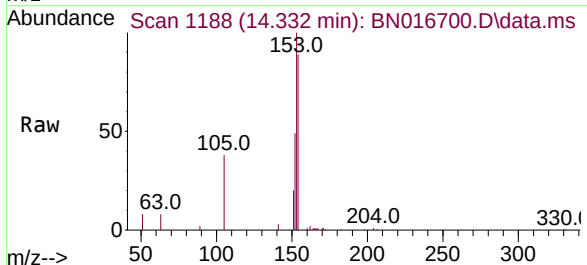
Instrument :
BNA_N
ClientSampled :

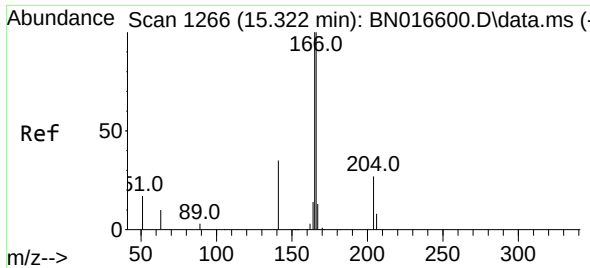
Tgt Ion:152 Resp: 740413
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.2 10.4 15.6



#17
Acenaphthene
Concen: 0.257 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:154 Resp: 53888
Ion Ratio Lower Upper
154 100
153 115.0 90.2 135.2
152 59.3 44.0 66.0

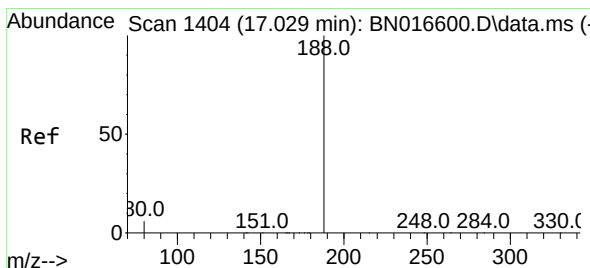
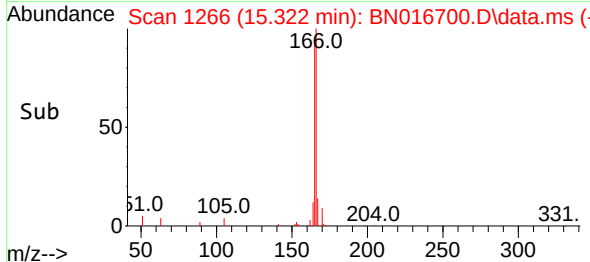
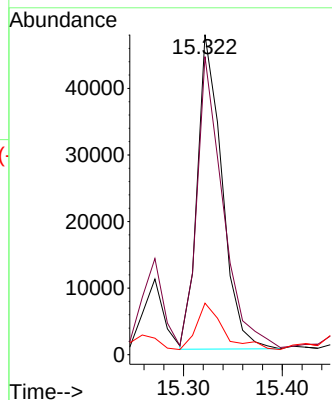
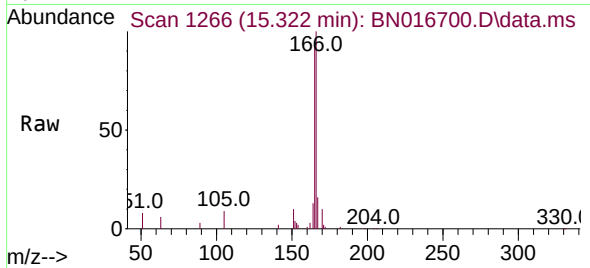




#18
Fluorene
Concen: 0.331 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

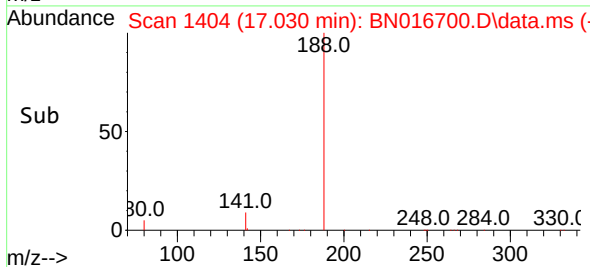
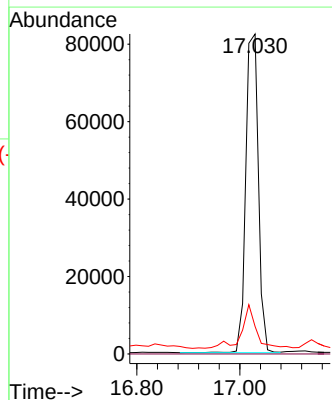
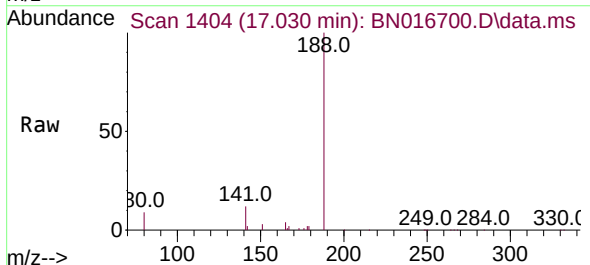
Instrument :
BNA_N
ClientSampled :

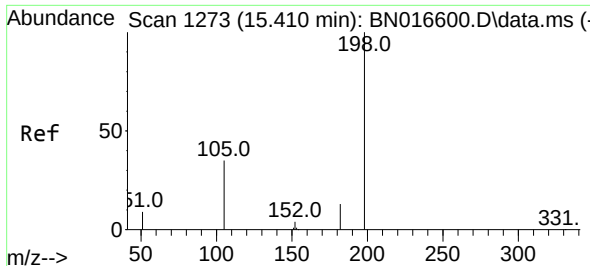
Tgt Ion:166 Resp: 82261
Ion Ratio Lower Upper
166 100
165 94.6 77.9 116.9
167 16.1 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:188 Resp: 140143
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.6 5.0 7.6#

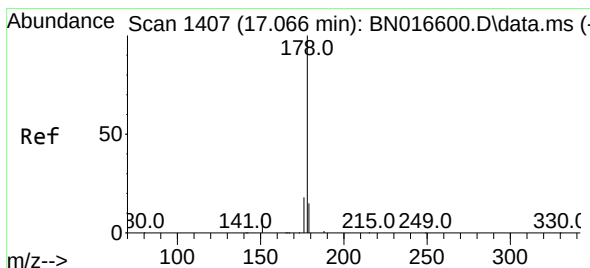
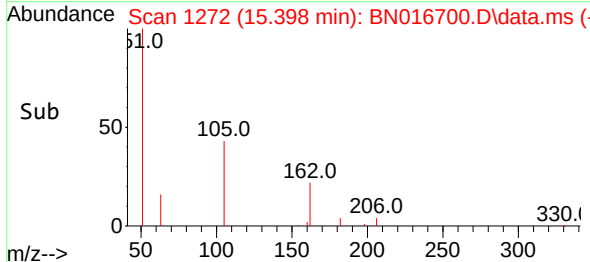
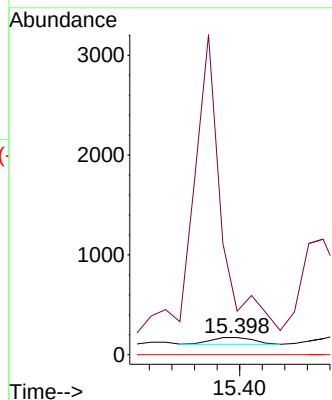
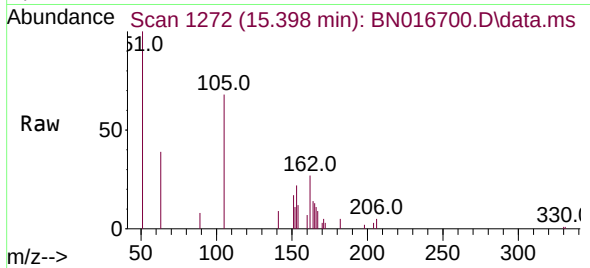




#20
4,6-Dinitro-2-methylphenol
Concen: 0.146 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

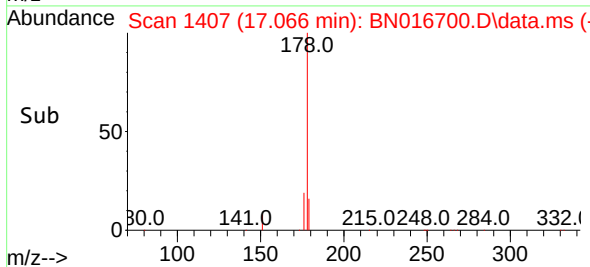
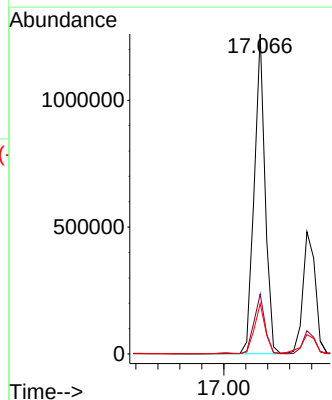
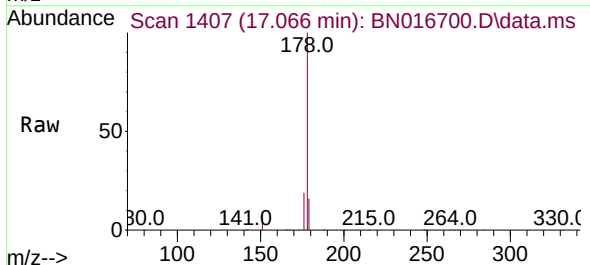
Instrument :
BNA_N
ClientSampleId :

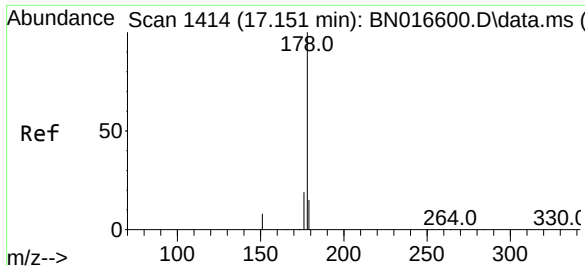
Tgt Ion	Ratio	Lower	Upper
198	100		
182	254.1	11.8	17.8#
77	0.0	0.0	0.0



#25
Phenanthrene
Concen: 4.109 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.2	18.4

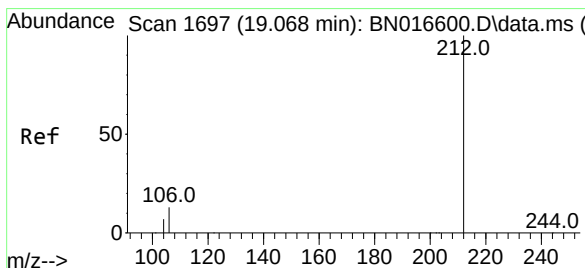
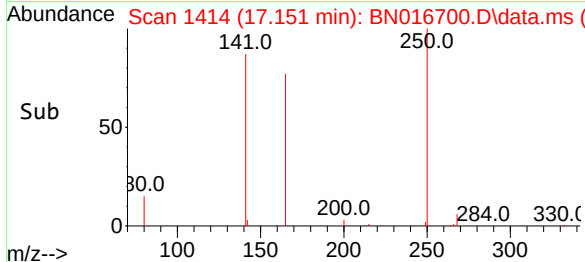
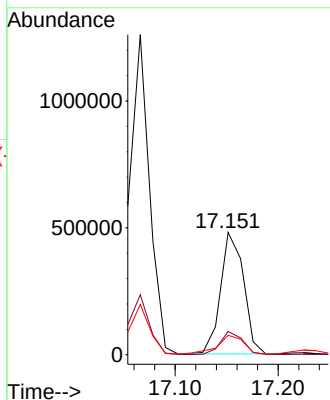
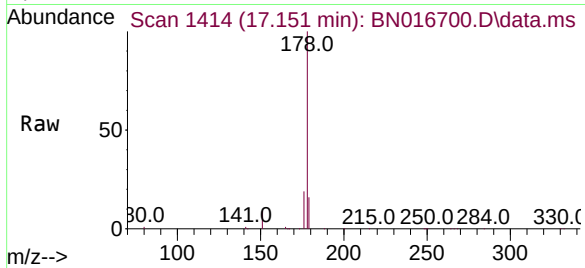




#26
 Anthracene
 Concen: 2.039 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016700.D
 Acq: 03 Oct 2021 10:00

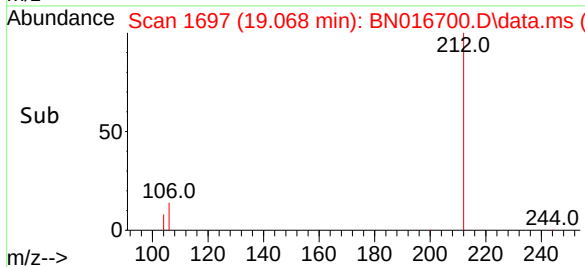
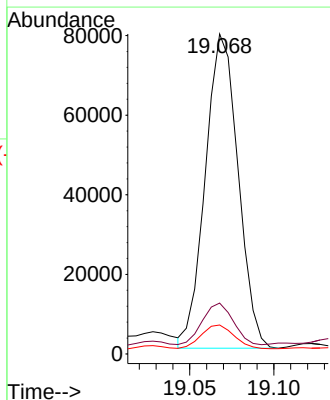
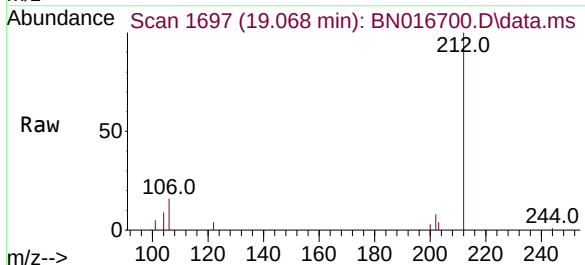
Instrument :
 BNA_N
 ClientSampled :

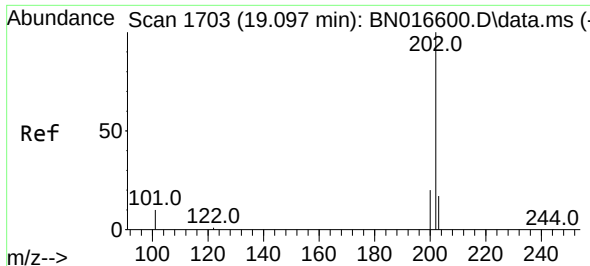
Tgt Ion:178 Resp: 742313
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 21.8
 179 17.8 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.287 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016700.D
 Acq: 03 Oct 2021 10:00

Tgt Ion:212 Resp: 107033
 Ion Ratio Lower Upper
 212 100
 106 12.3 10.6 16.0
 104 8.1 5.9 8.9

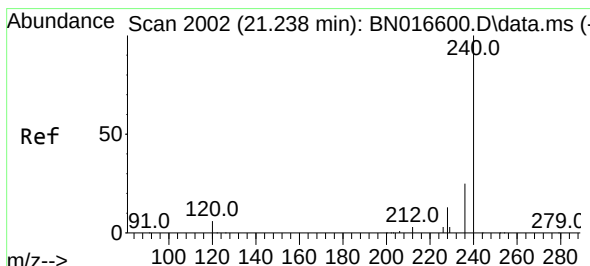
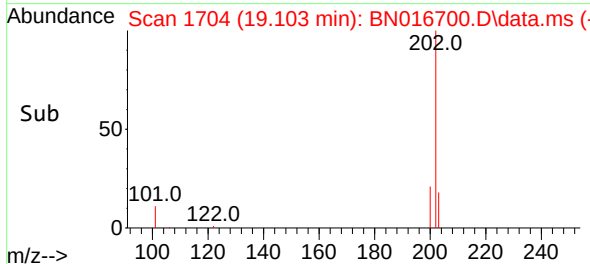
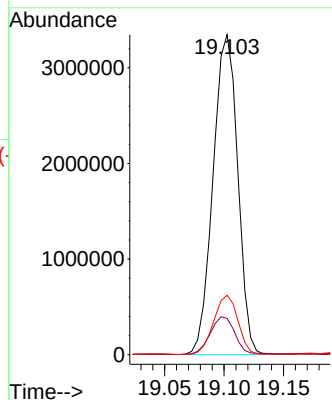
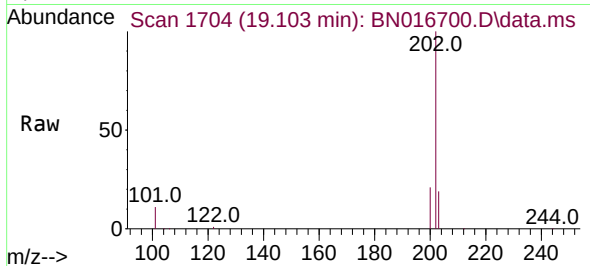




#28
Fluoranthene
Concen: 10.588 ng
RT: 19.103 min Scan# 1704
Delta R.T. 0.005 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

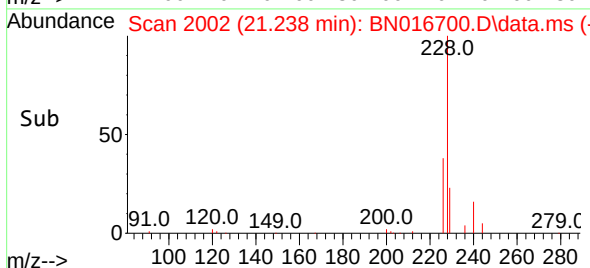
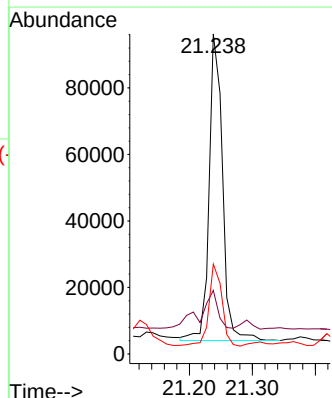
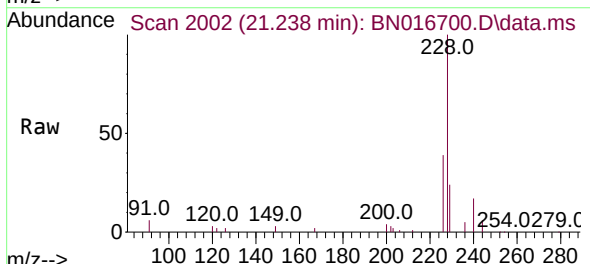
Instrument :
BNA_N
ClientSampled :

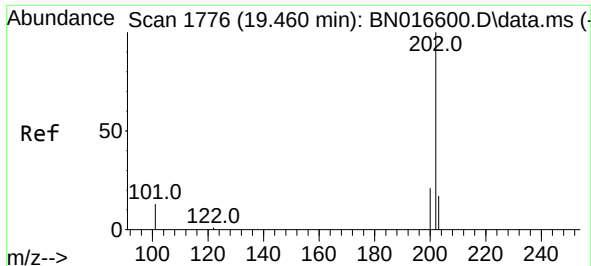
Tgt Ion:202 Resp: 4820388
Ion Ratio Lower Upper
202 100
101 12.1 9.0 13.4
203 18.1 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:240 Resp: 135529
Ion Ratio Lower Upper
240 100
120 19.8 5.0 7.4#
236 28.1 20.4 30.6

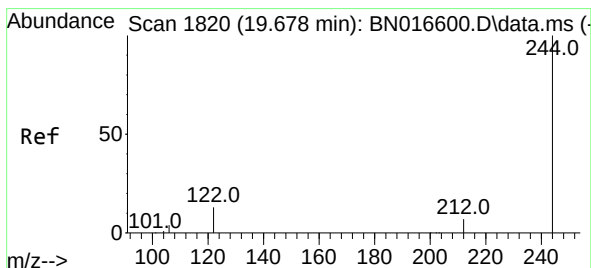
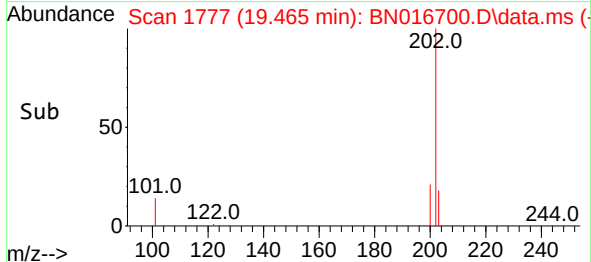
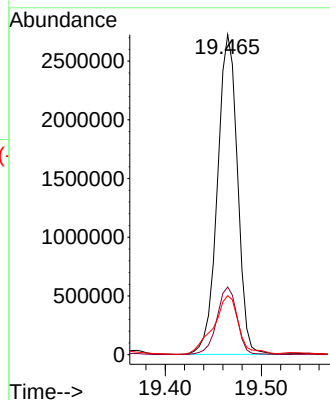
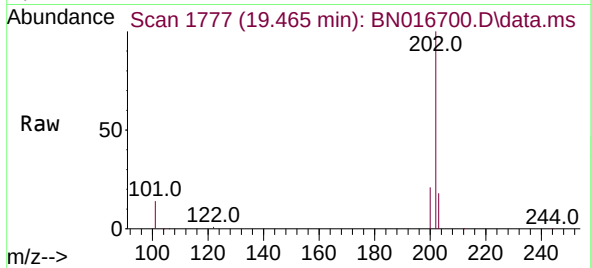




#30
Pyrene
Concen: 9.009 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

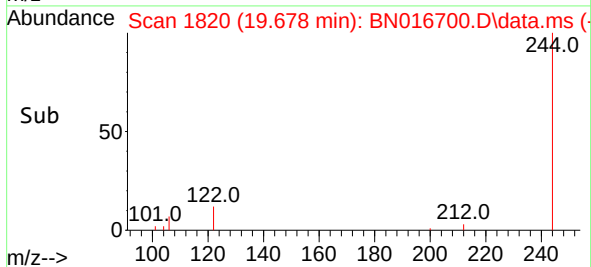
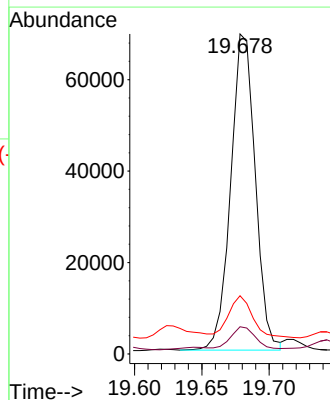
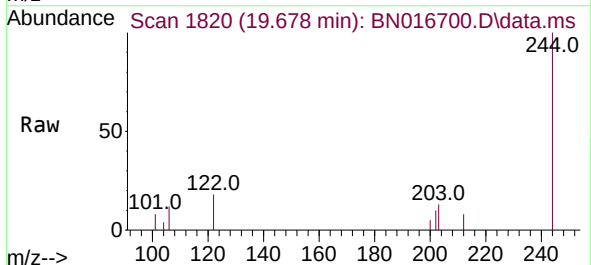
Instrument :
BNA_N
ClientSampled :

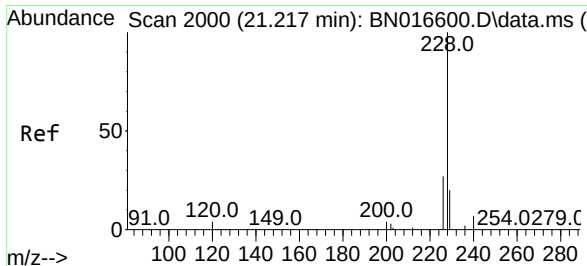
Tgt Ion:202 Resp: 3950628
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 23.0 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.298 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:244 Resp: 87912
Ion Ratio Lower Upper
244 100
212 8.5 6.0 9.0
122 18.2 10.1 15.1#

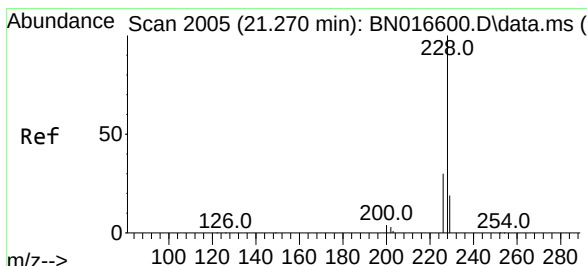
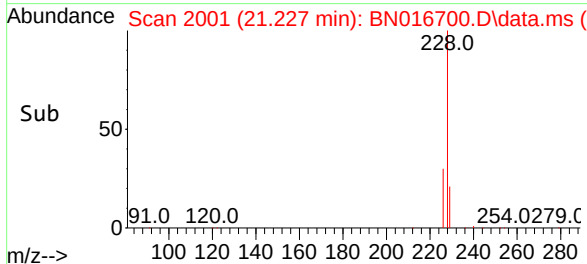
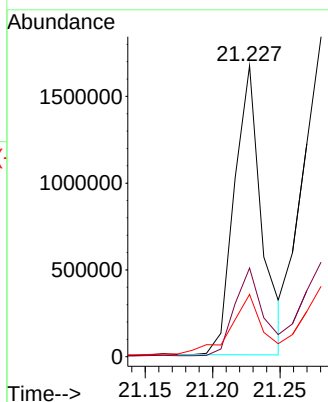
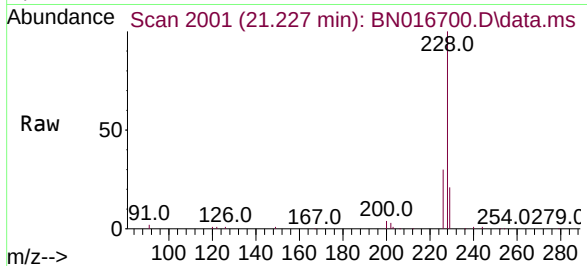




#32
Benzo(a)anthracene
Concen: 5.665 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.011 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

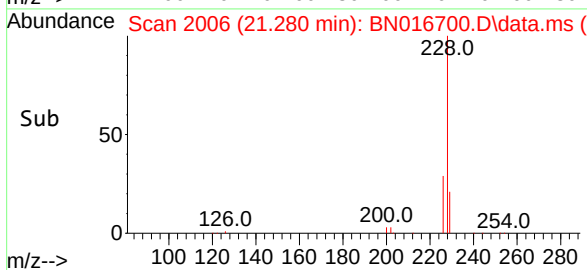
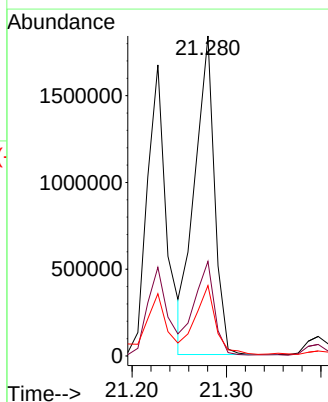
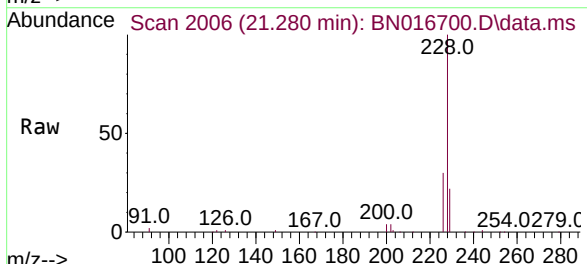
Instrument :
BNA_N
ClientSampleId :

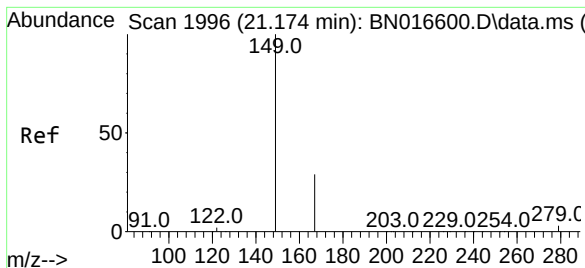
Tgt Ion:228 Resp: 2356504
Ion Ratio Lower Upper
228 100
226 30.5 21.9 32.9
229 21.4 15.7 23.5



#33
Chrysene
Concen: 6.343 ng
RT: 21.280 min Scan# 2006
Delta R.T. 0.011 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:228 Resp: 2671788
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 22.0 15.5 23.3

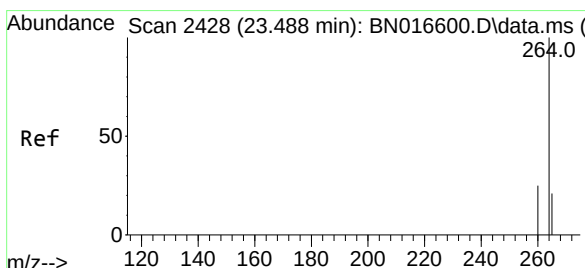
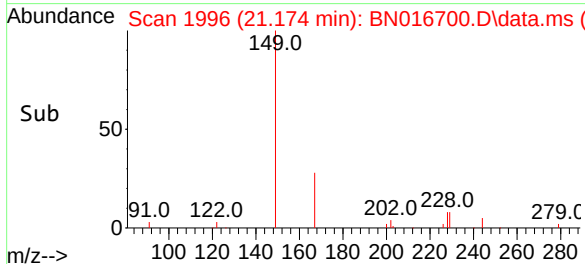
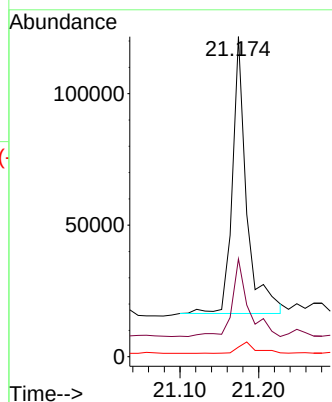
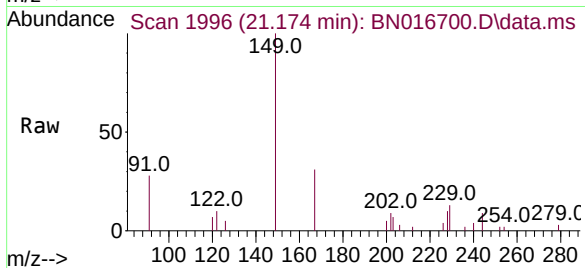




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.798 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

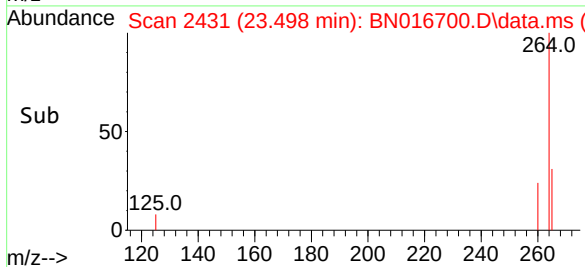
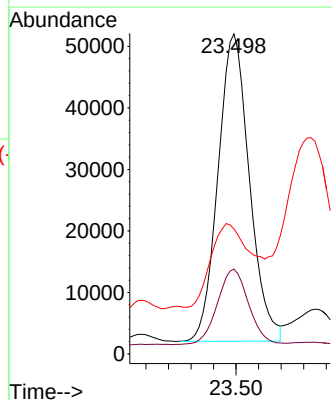
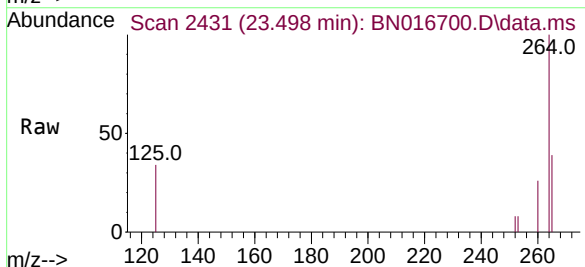
Instrument :
BNA_N
ClientSampled :

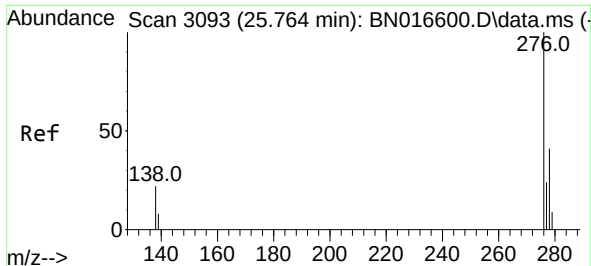
Tgt Ion:149 Resp: 132281
Ion Ratio Lower Upper
149 100
167 31.9 22.2 33.4
279 5.1 3.2 4.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.498 min Scan# 2431
Delta R.T. 0.010 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:264 Resp: 96623
Ion Ratio Lower Upper
264 100
260 26.5 19.9 29.9
265 39.1 19.2 28.8#

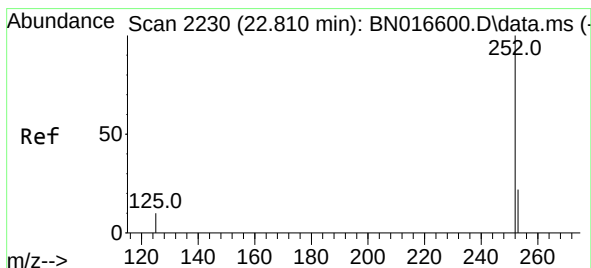
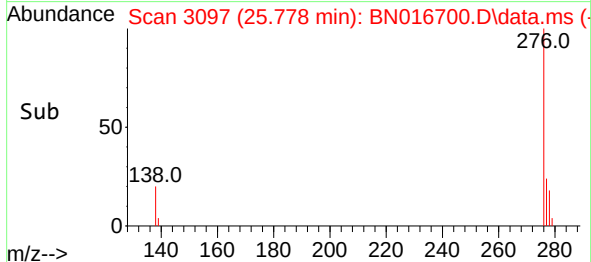
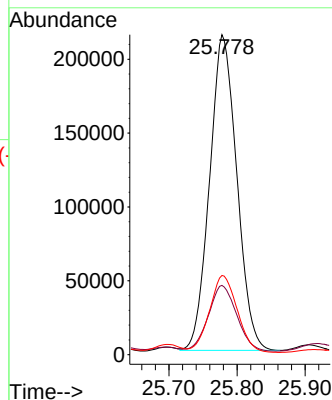
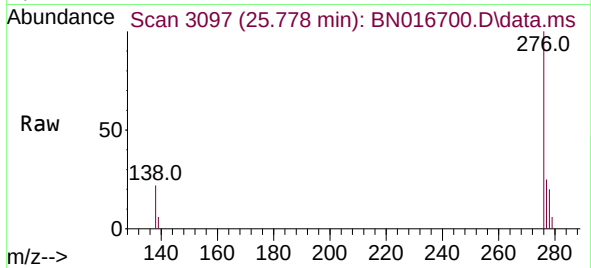




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.720 ng
RT: 25.778 min Scan# 3097
Delta R.T. 0.014 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

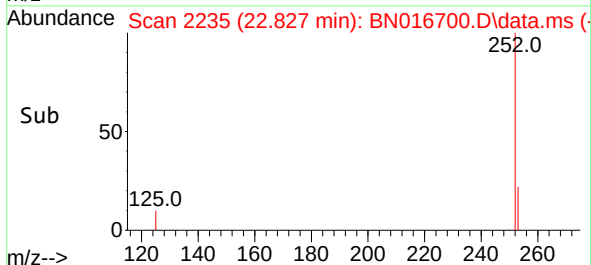
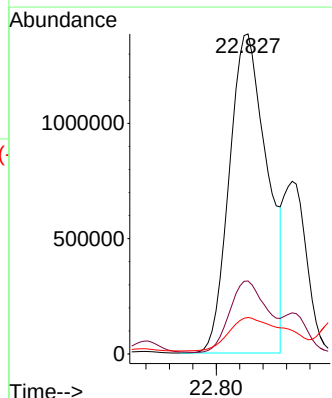
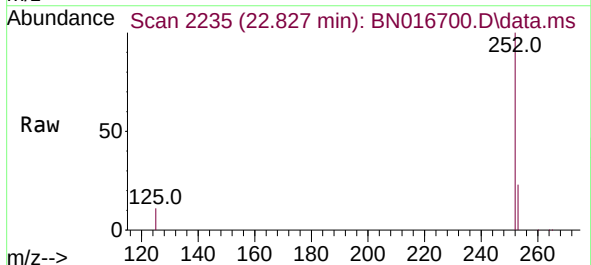
Instrument :
BNA_N
ClientSampled :

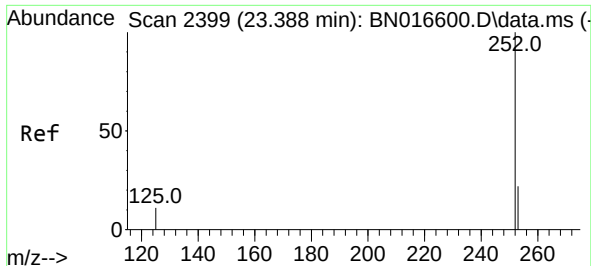
Tgt Ion:276 Resp: 593104
Ion Ratio Lower Upper
276 100
138 21.7 19.5 29.3
277 24.9 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 10.007 ng
RT: 22.827 min Scan# 2235
Delta R.T. 0.017 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Tgt Ion:252 Resp: 3107183
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.4 8.0 12.0





#39

Benzo(a)pyrene

Concen: 4.617 ng

RT: 23.399 min Scan# 2402

Delta R.T. 0.010 min

Lab File: BN016700.D

Acq: 03 Oct 2021 10:00

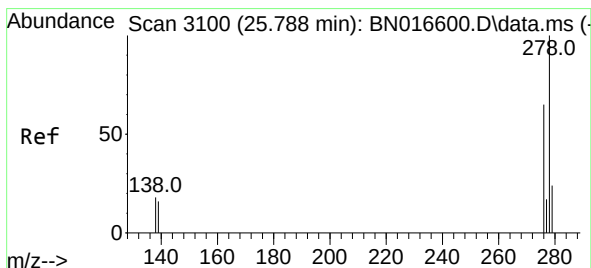
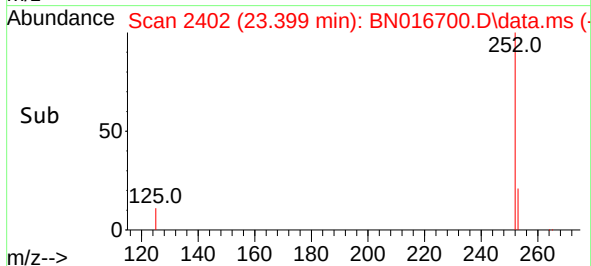
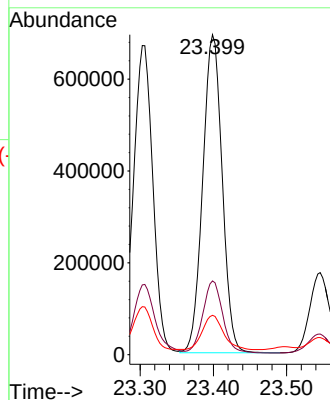
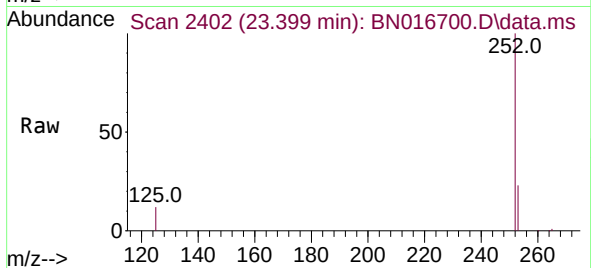
Tgt Ion:252 Resp: 1276893

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 12.3 9.0 13.4



#40

Dibenzo(a,h)anthracene

Concen: 0.591 ng

RT: 25.795 min Scan# 3102

Delta R.T. 0.007 min

Lab File: BN016700.D

Acq: 03 Oct 2021 10:00

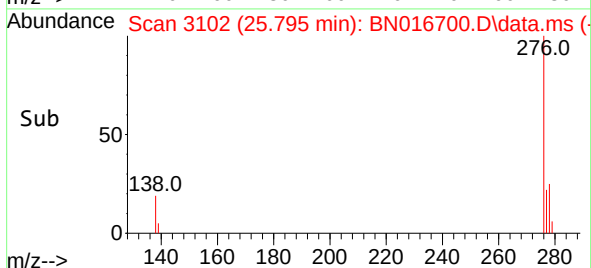
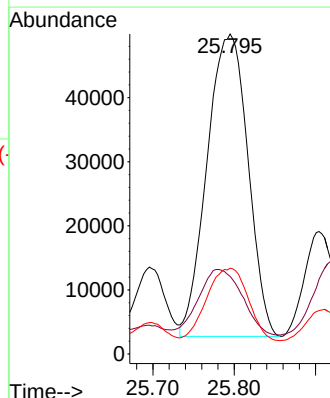
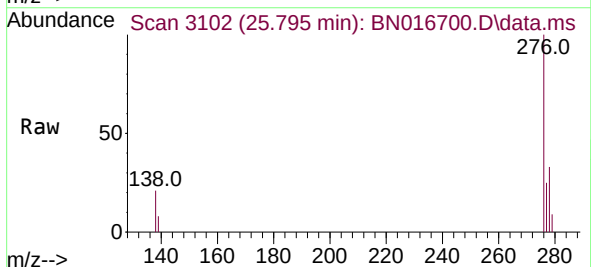
Tgt Ion:278 Resp: 164455

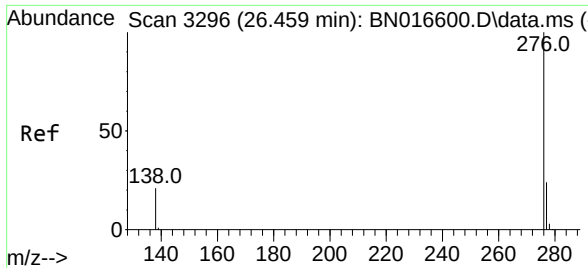
Ion Ratio Lower Upper

278 100

139 24.2 13.1 19.7#

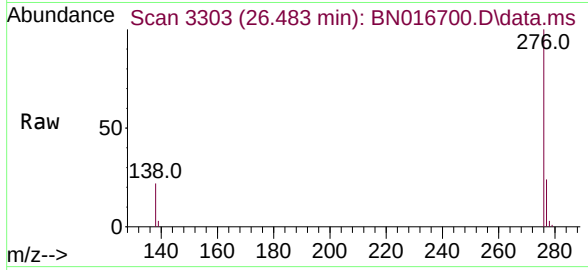
279 26.8 19.1 28.7





#41
Benzo(g,h,i)perylene
Concen: 1.462 ng
RT: 26.483 min Scan# 3303
Delta R.T. 0.024 min
Lab File: BN016700.D
Acq: 03 Oct 2021 10:00

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 445713
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 21.8 16.9 25.3

