

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016703.D
 Acq On : 03 Oct 2021 11:48
 Operator : CG/JU
 Sample : M3892-06
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-822-N-SO-1-1.5-092221

Quant Time: Oct 04 03:38:30 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)

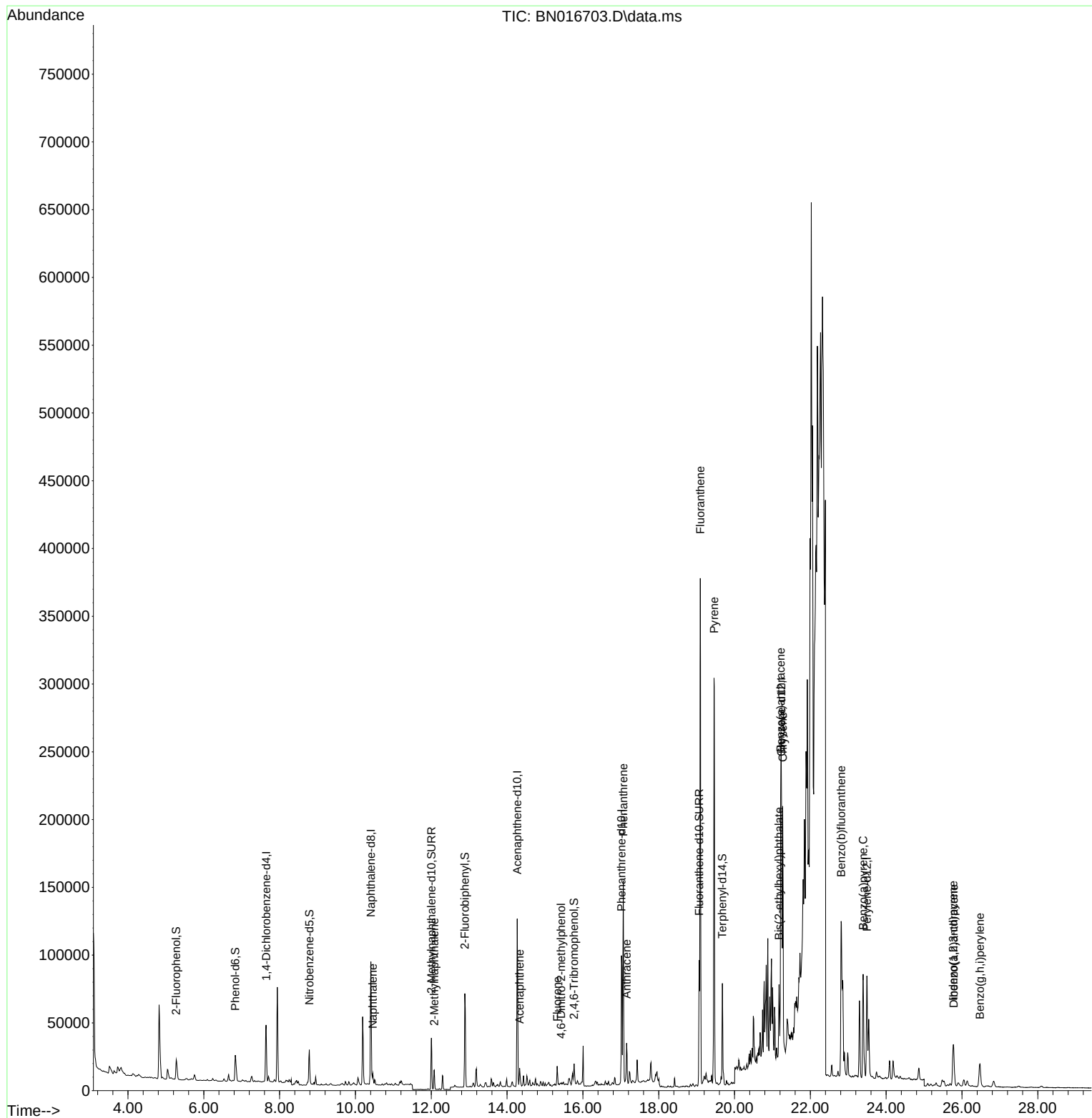
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	25426	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	118449	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	68478	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	139917	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	135231	0.400	ng	# 0.00
35) Perylene-d12	23.491	264	94513	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	19009	0.294	ng	0.02
5) Phenol-d6	6.831	99	20528	0.290	ng	0.00
8) Nitrobenzene-d5	8.784	82	23048	0.299	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	51209	0.292	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	10947	0.351	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	64386	0.232	ng	-0.01
27) Fluoranthene-d10	19.068	212	101664	0.273	ng	0.00
31) Terphenyl-d14	19.679	244	76304	0.259	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	9772	0.030	ng	# 95
12) 2-Methylnaphthalene	12.078	142	10324	0.050	ng	99
17) Acenaphthene	14.332	154	5757	0.029	ng	96
18) Fluorene	15.322	166	9335	0.039	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.423	198	11	0.137	ng	# 1
25) Phenanthrene	17.066	178	149908	0.356	ng	99
26) Anthracene	17.151	178	31905	0.088	ng	# 93
28) Fluoranthene	19.098	202	320564	0.705	ng	99
30) Pyrene	19.460	202	274304	0.627	ng	# 96
32) Benzo(a)anthracene	21.217	228	166868	0.402	ng	98
33) Chrysene	21.270	228	154213	0.367	ng	97
34) Bis(2-ethylhexyl)phtha...	21.174	149	63482	0.384	ng	# 86
36) Indeno(1,2,3-cd)pyrene	25.768	276	44628	0.132	ng	97
37) Benzo(b)fluoranthene	22.814	252	186795	0.615	ng	# 93
39) Benzo(a)pyrene	23.392	252	104555	0.386	ng	# 93
40) Dibenzo(a,h)anthracene	25.785	278	14895	0.055	ng	# 52
41) Benzo(g,h,i)perylene	26.473	276	35975	0.121	ng	# 92

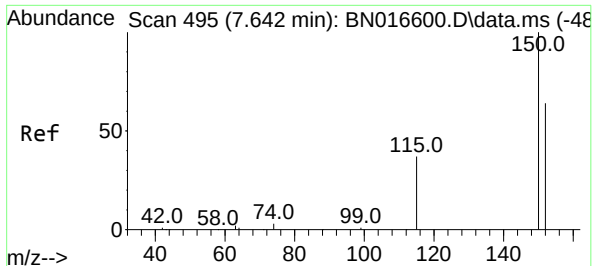
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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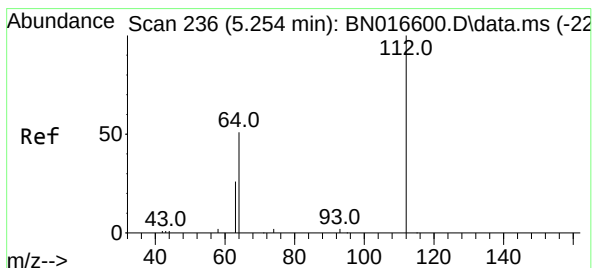
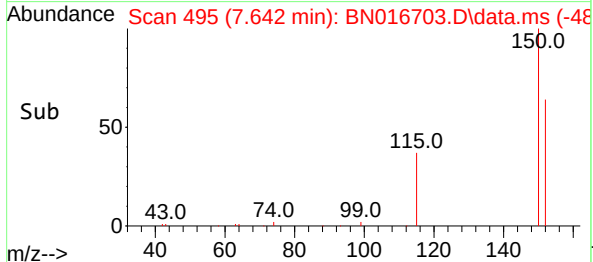
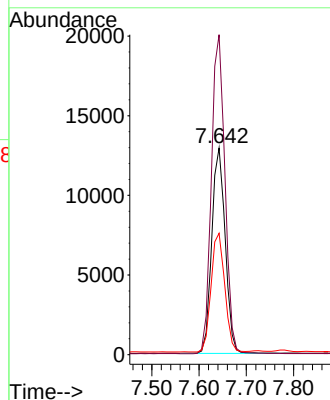
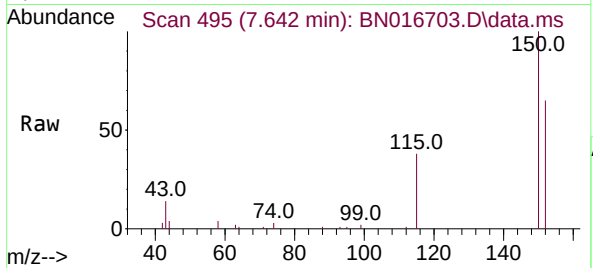




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.642 min Scan# 495
 Delta R.T. 0.000 min
 Lab File: BN016703.D
 Acq: 03 Oct 2021 11:48

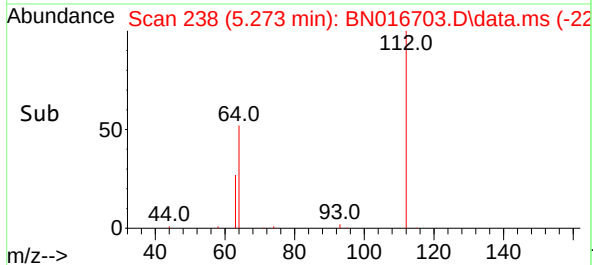
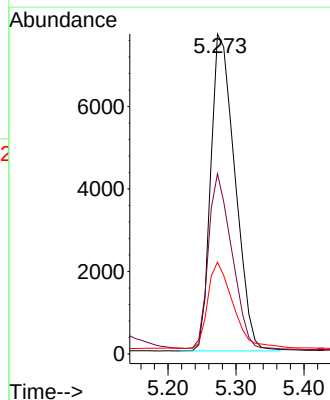
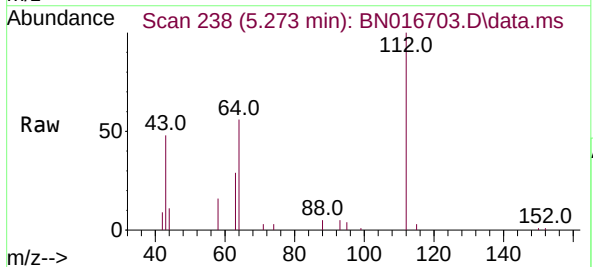
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 ClientSampleId :
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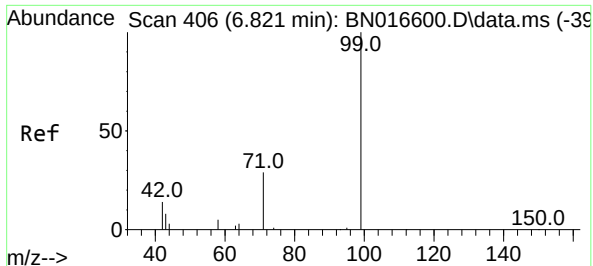
Tgt Ion:152 Resp: 25426
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.6 186.8
 115 58.7 46.5 69.7



#4
 2-Fluorophenol
 Concen: 0.294 ng
 RT: 5.273 min Scan# 238
 Delta R.T. 0.019 min
 Lab File: BN016703.D
 Acq: 03 Oct 2021 11:48

Tgt Ion:112 Resp: 19009
 Ion Ratio Lower Upper
 112 100
 64 53.4 43.1 64.7
 63 28.4 21.6 32.4

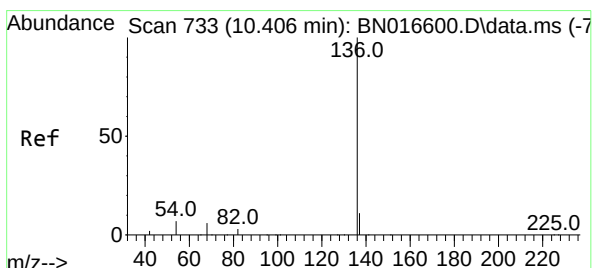
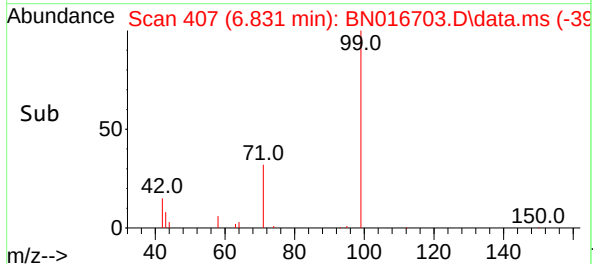
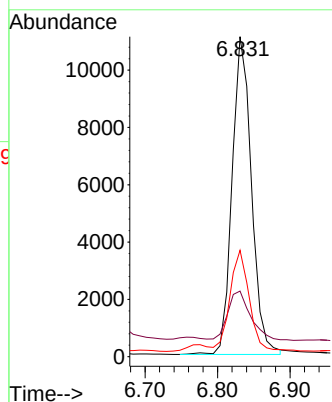
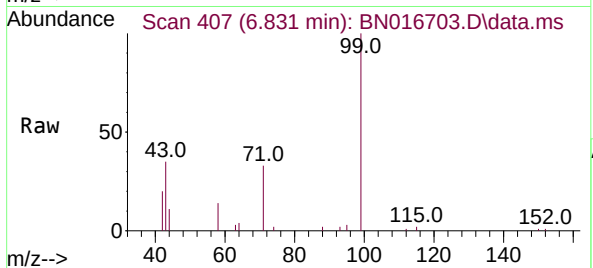




#5
Phenol-d6
Concen: 0.290 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

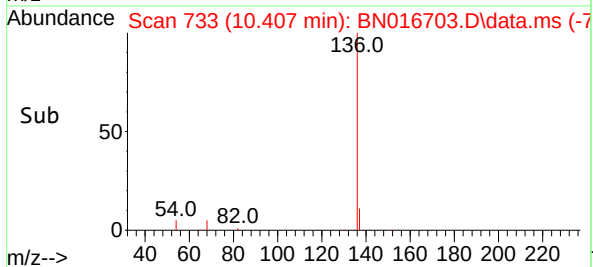
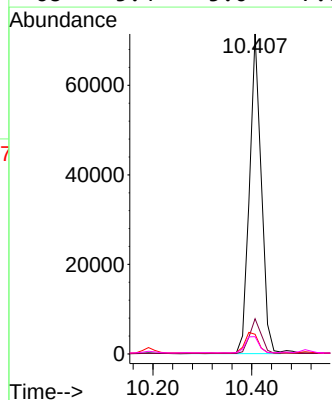
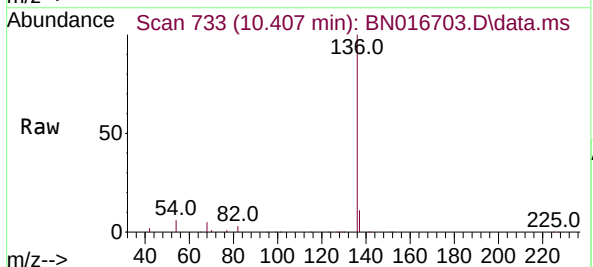
Instrument :
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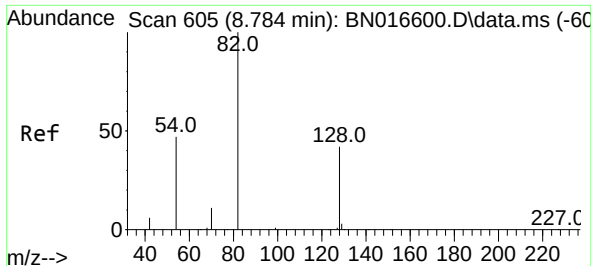
Tgt Ion:	99	Resp:	20528
Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.0	19.6
71	30.4	23.5	35.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:	136	Resp:	118449
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.1	5.9	8.9
68	5.4	5.0	7.6

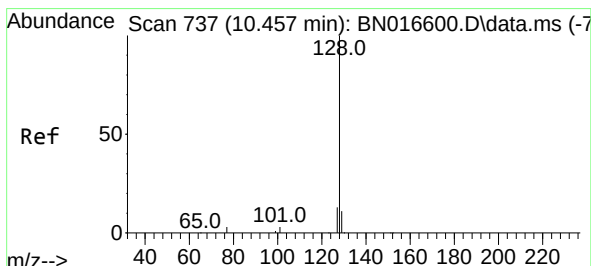
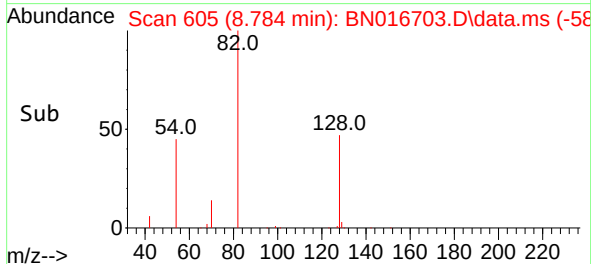
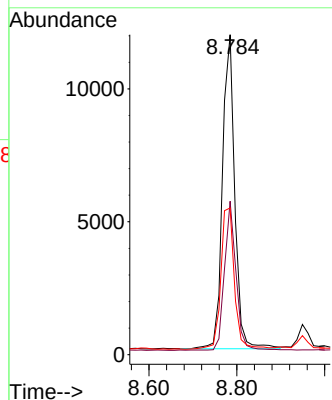
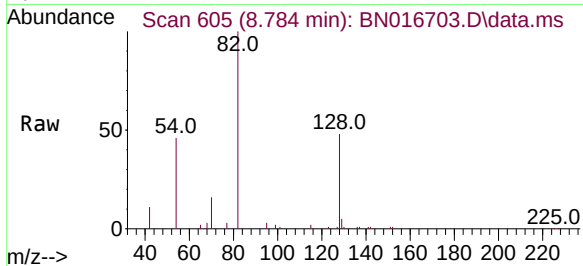




#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

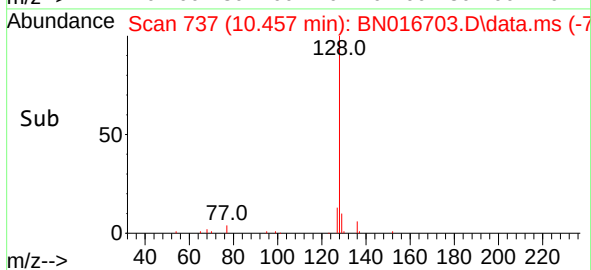
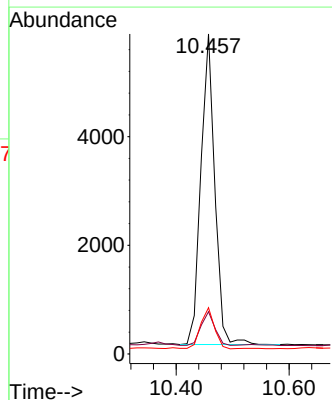
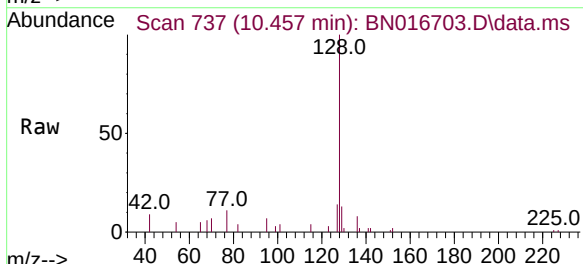
Instrument :
BNA_N
ClientSampleId :
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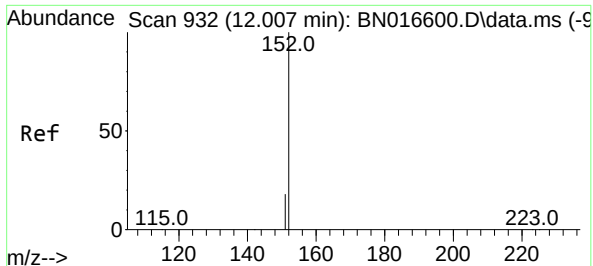
Tgt Ion: 82 Resp: 23048
Ion Ratio Lower Upper
82 100
128 47.9 33.6 50.4
54 45.8 37.6 56.4



#9
Naphthalene
Concen: 0.030 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion: 128 Resp: 9772
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.2#
127 14.4 10.3 15.5

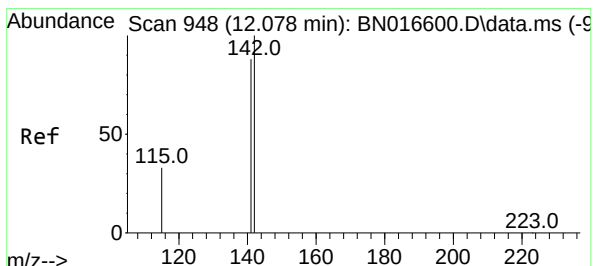
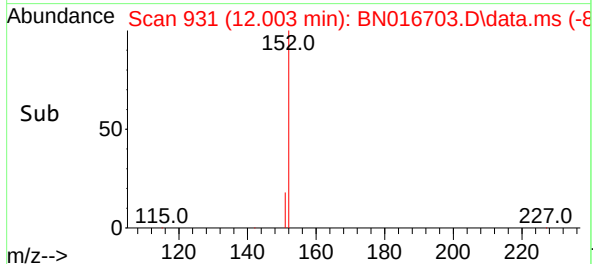
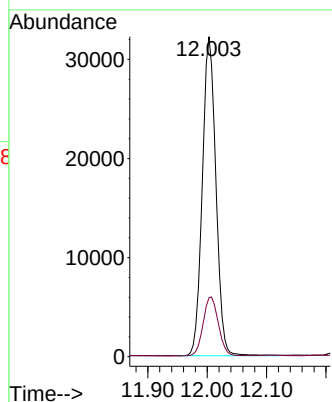
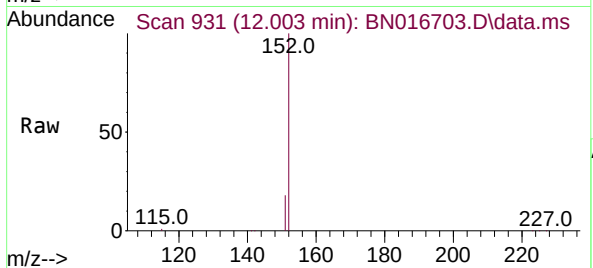




#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

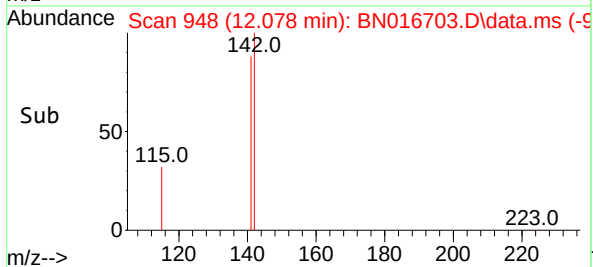
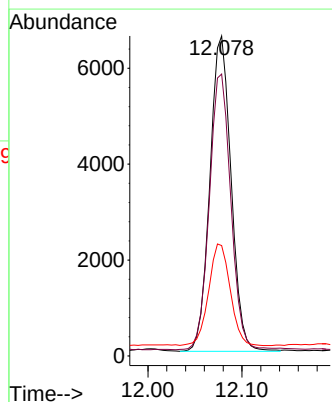
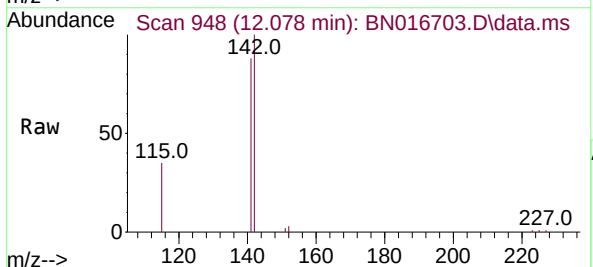
Instrument :
BNA_N
ClientSampleId :
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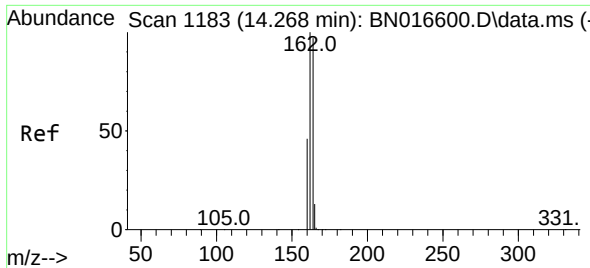
Tgt Ion:152 Resp: 51209
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.050 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:142 Resp: 10324
Ion Ratio Lower Upper
142 100
141 88.1 70.6 105.8
115 34.5 26.6 39.8

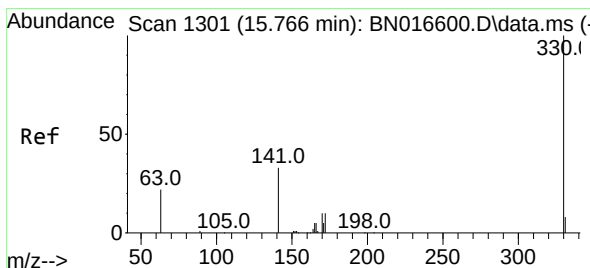
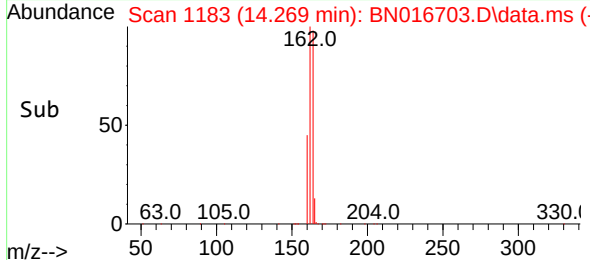
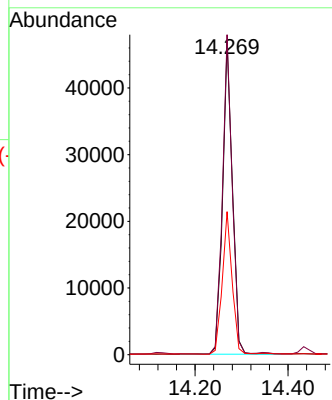
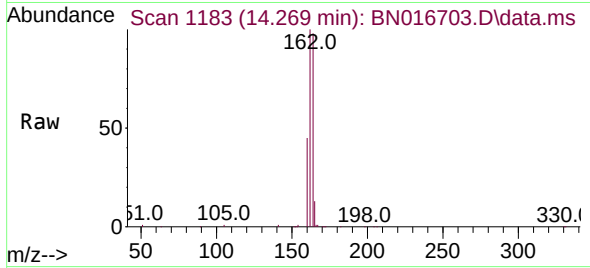




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

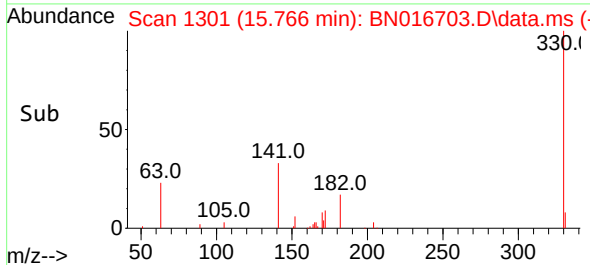
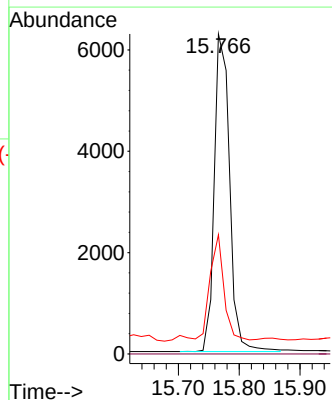
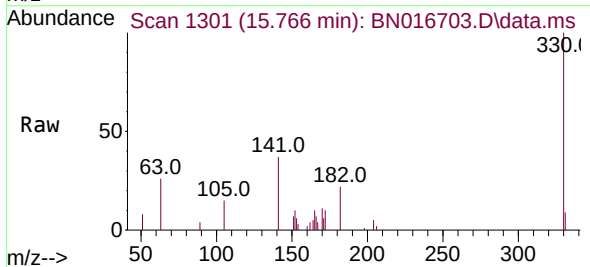
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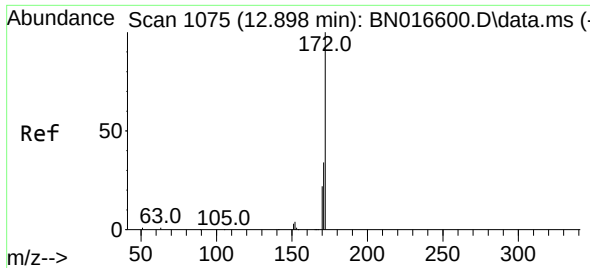
Tgt Ion:164 Resp: 68478
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 45.7 37.7 56.5



#14
2,4,6-Tribromophenol
Concen: 0.351 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:330 Resp: 10947
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 30.8 25.2 37.8

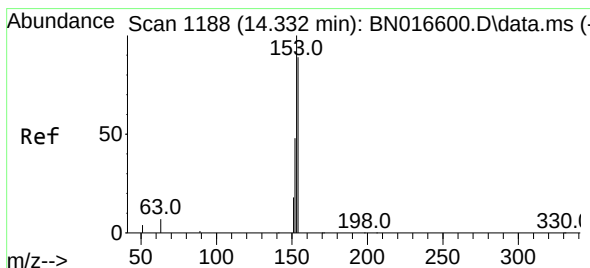
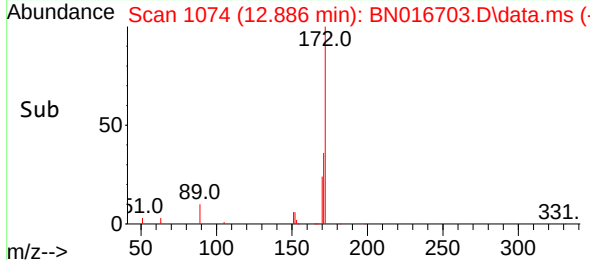
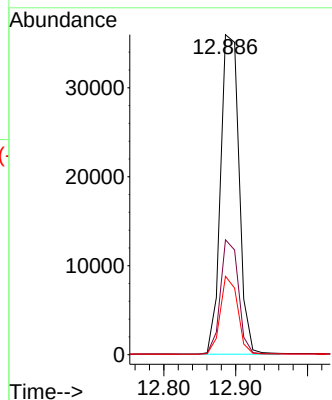
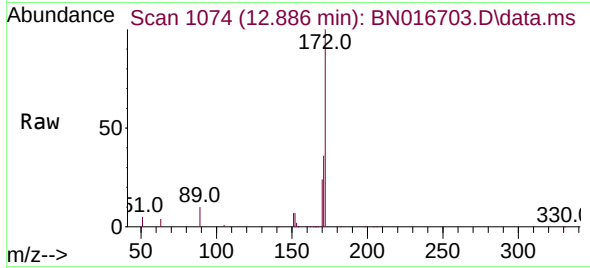




#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

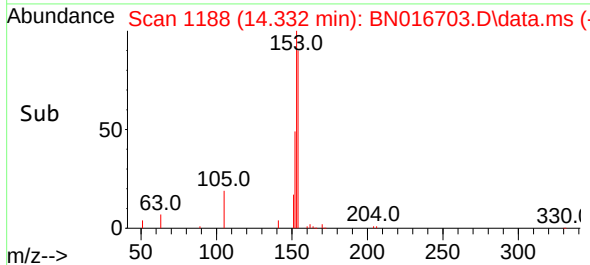
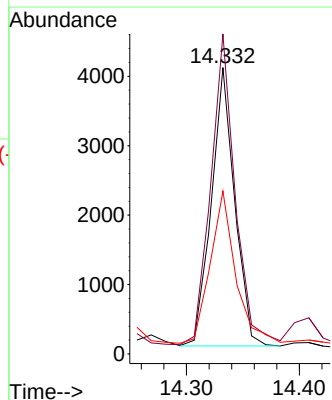
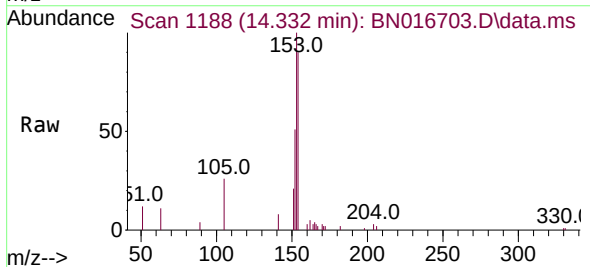
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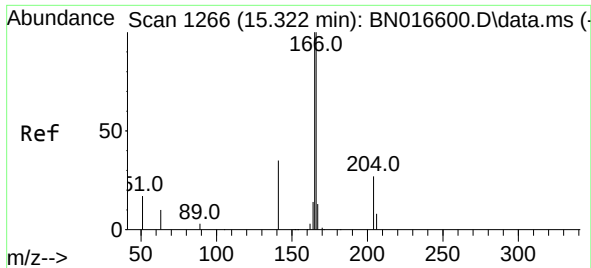
Tgt Ion:172	Resp:	64386
Ion Ratio	Lower	Upper
172	100	
171	35.9	27.0 40.4
170	24.5	17.4 26.2



#17
Acenaphthene
Concen: 0.029 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:154	Resp:	5757
Ion Ratio	Lower	Upper
154	100	
153	116.2	90.2 135.2
152	59.4	44.0 66.0

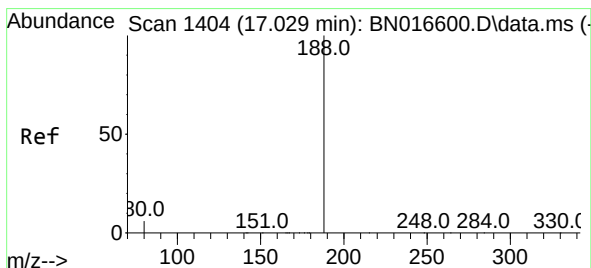
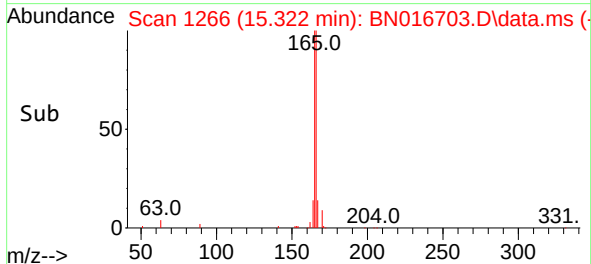
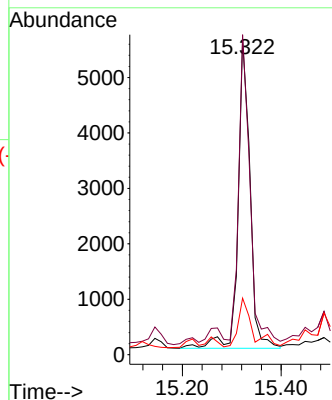
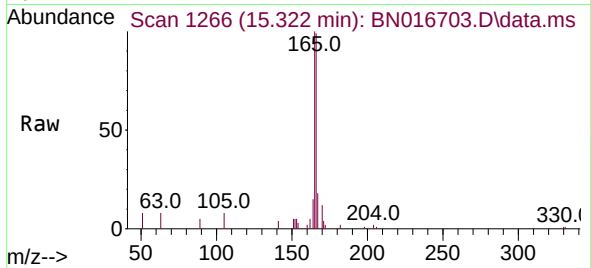




#18
Fluorene
Concen: 0.039 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

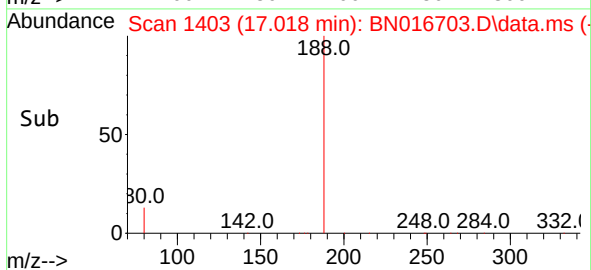
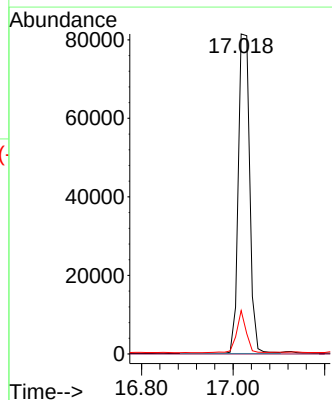
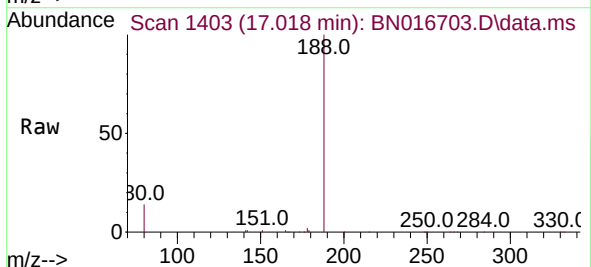
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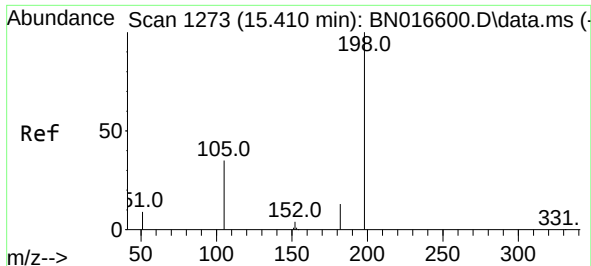
Tgt Ion:166 Resp: 9335
Ion Ratio Lower Upper
166 100
165 93.3 77.9 116.9
167 18.4 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:188 Resp: 139917
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 5.0 7.6#

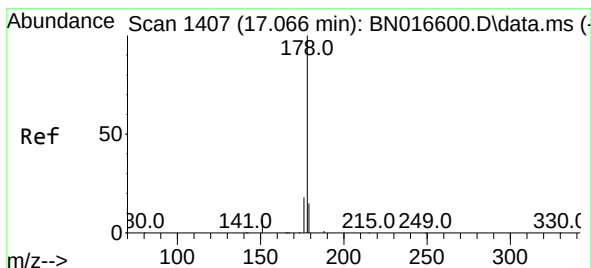
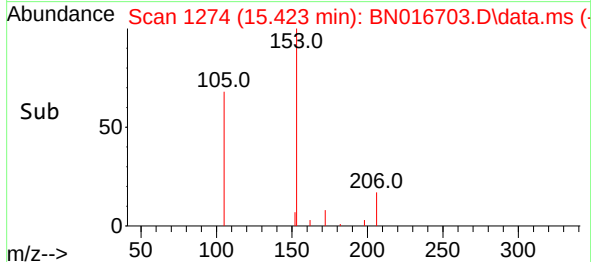
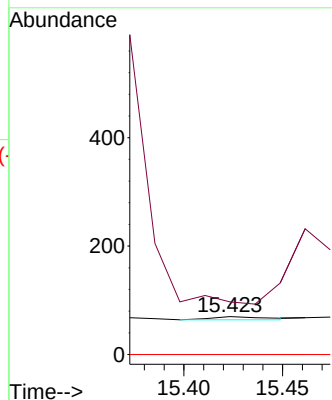
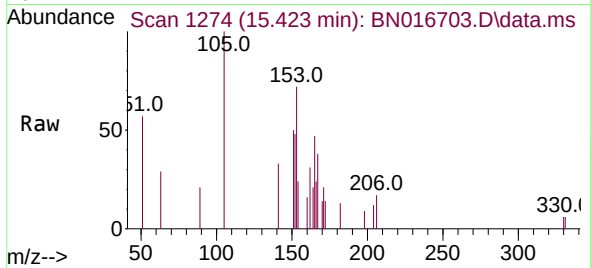




#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

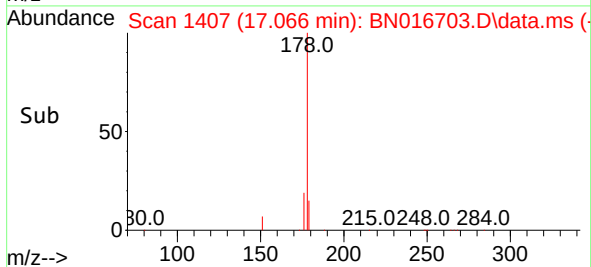
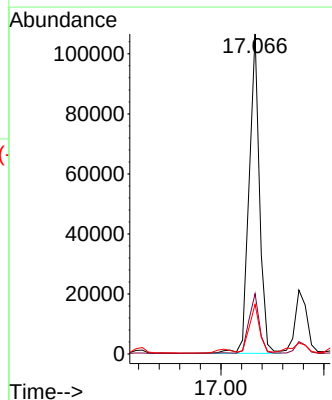
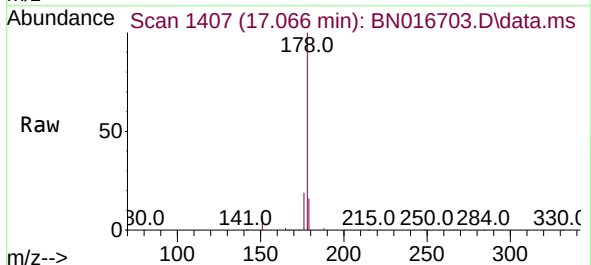
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

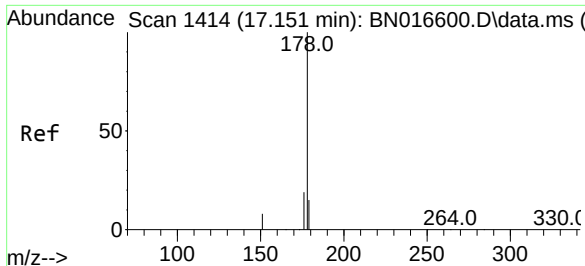
Tgt Ion:	198	Resp:	11
Ion	Ratio	Lower	Upper
198	100		
182	138.6	11.8	17.8#
77	0.0	0.0	0.0



#25
Phenanthrene
Concen: 0.356 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

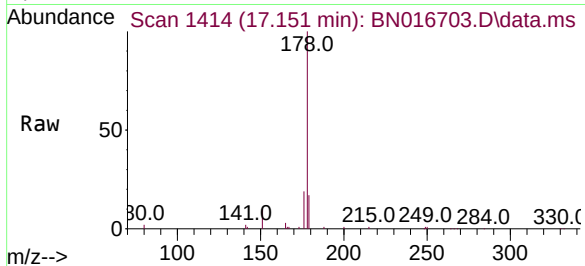
Tgt Ion:	178	Resp:	149908
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	14.5	12.2	18.4



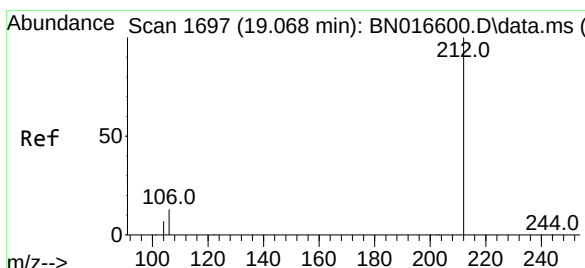
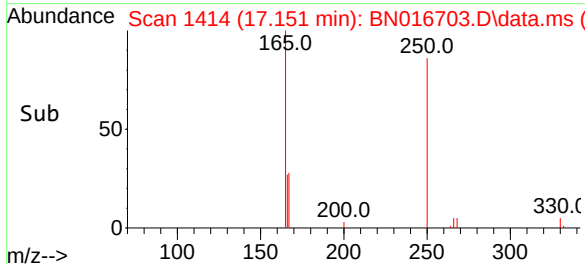
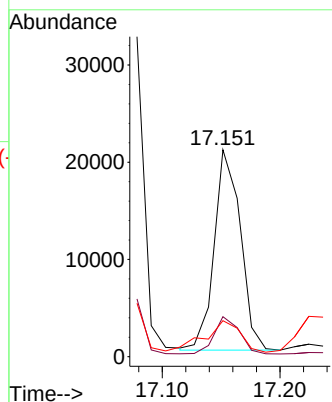


#26
 Anthracene
 Concen: 0.088 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. 0.000 min
 Lab File: BN016703.D
 Acq: 03 Oct 2021 11:48

Instrument :
 BNA_N
 ClientSampleId :
 S-822-N-SO-1-1.5-092221

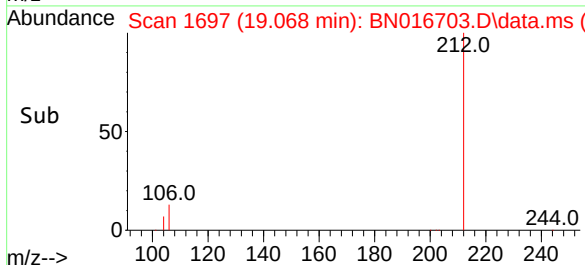
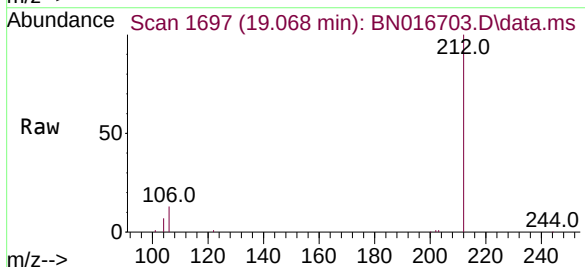
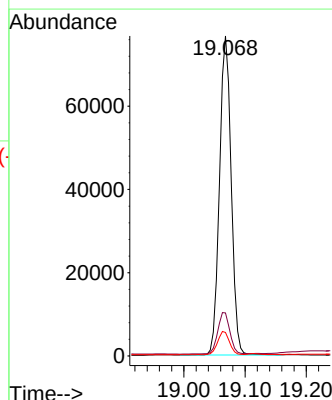


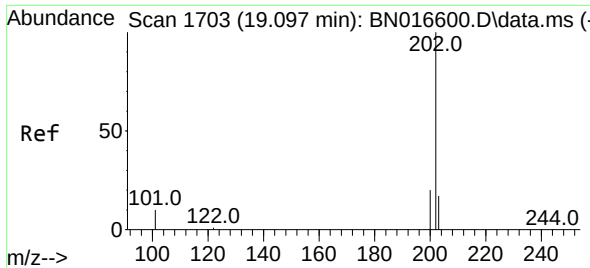
Tgt Ion:178 Resp: 31905
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 21.5 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.273 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016703.D
 Acq: 03 Oct 2021 11:48

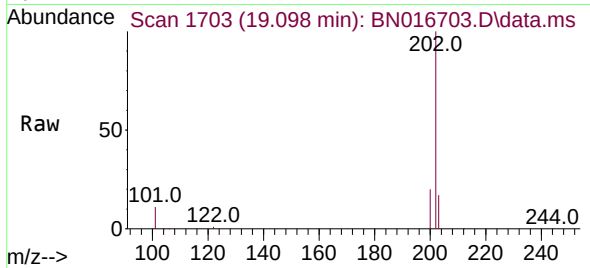
Tgt Ion:212 Resp: 101664
 Ion Ratio Lower Upper
 212 100
 106 13.6 10.6 16.0
 104 7.4 5.9 8.9



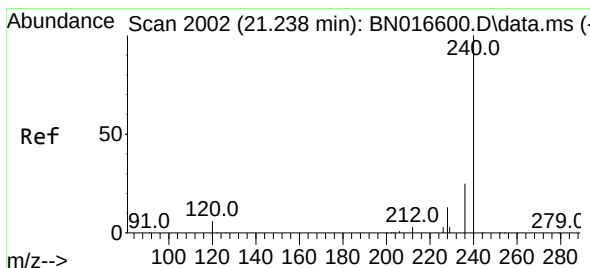
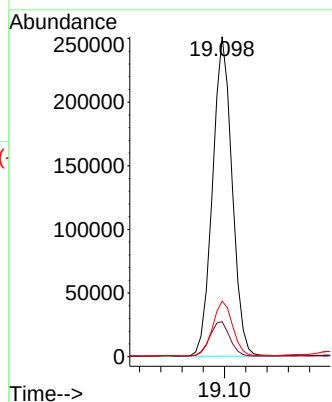
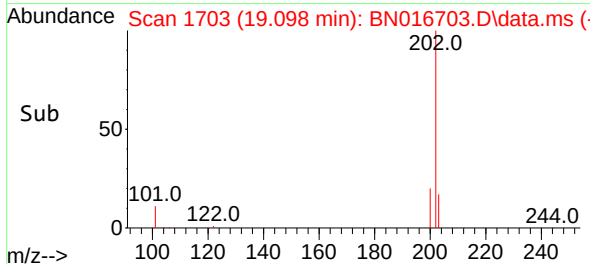


#28
Fluoranthene
Concen: 0.705 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

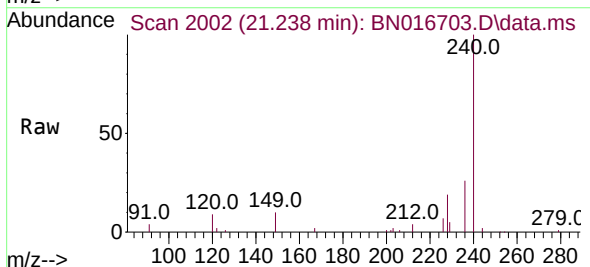
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221



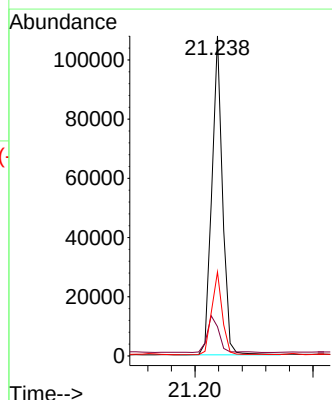
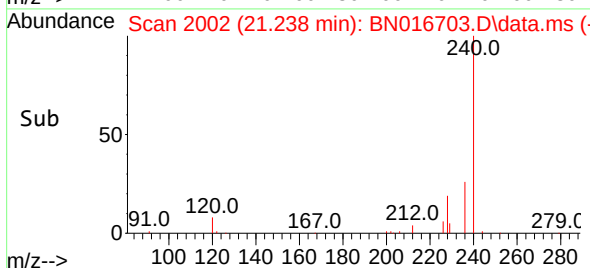
Tgt Ion:202 Resp: 320564
Ion Ratio Lower Upper
202 100
101 11.0 9.0 13.4
203 17.5 13.8 20.6

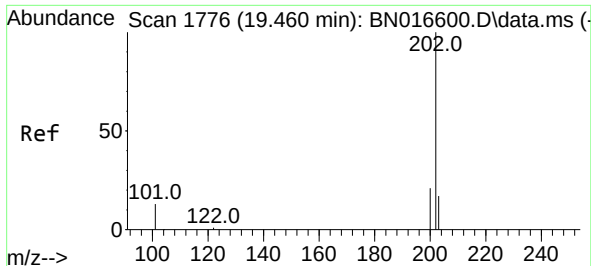


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48



Tgt Ion:240 Resp: 135231
Ion Ratio Lower Upper
240 100
120 9.1 5.0 7.4#
236 26.3 20.4 30.6

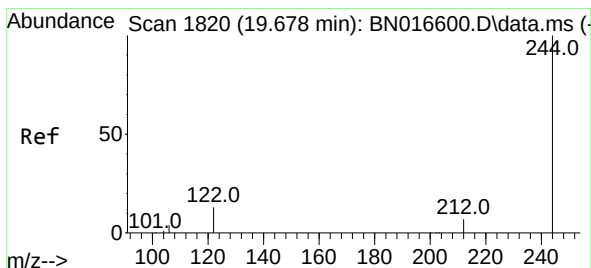
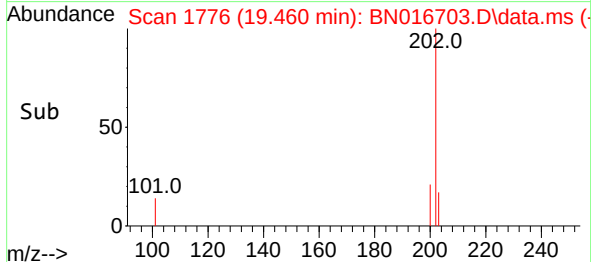
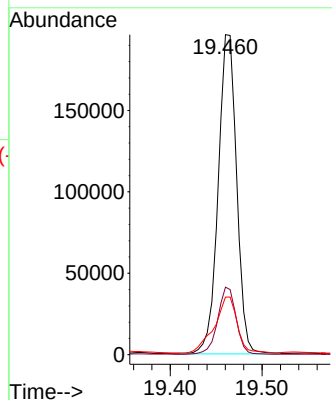
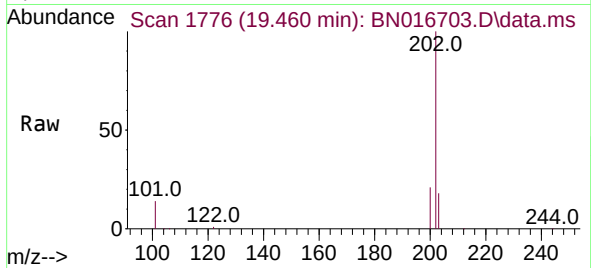




#30
Pyrene
Concen: 0.627 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

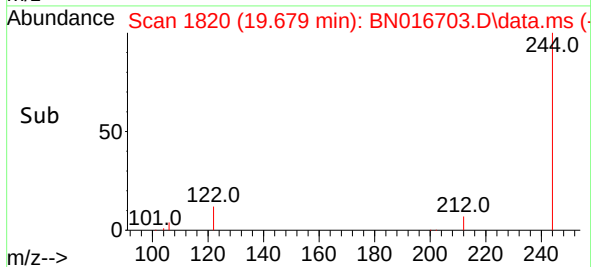
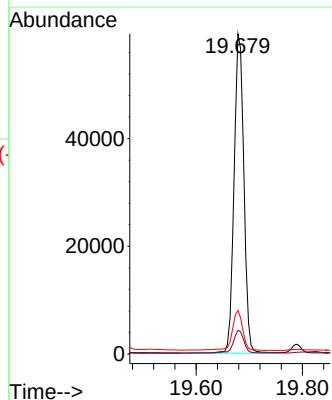
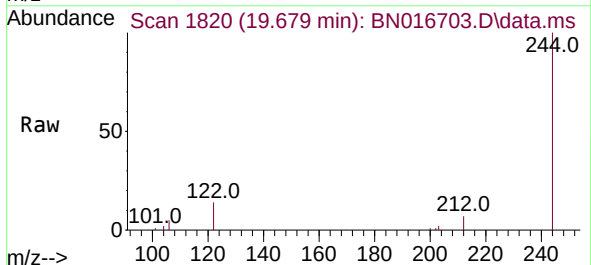
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

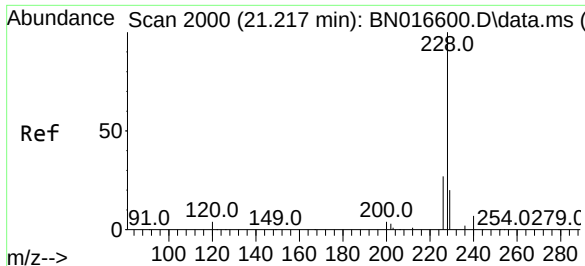
Tgt Ion:202 Resp: 274304
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.6 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.259 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:244 Resp: 76304
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 13.5 10.1 15.1

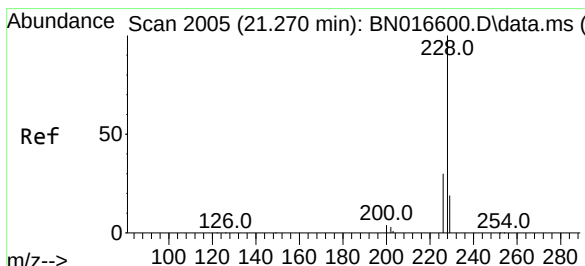
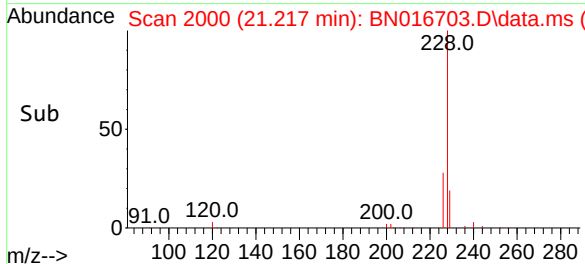
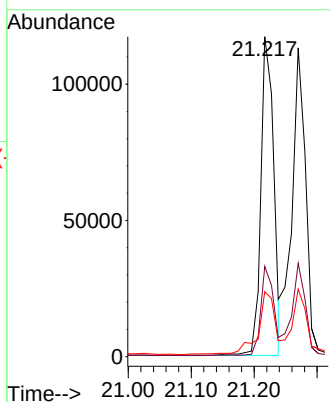
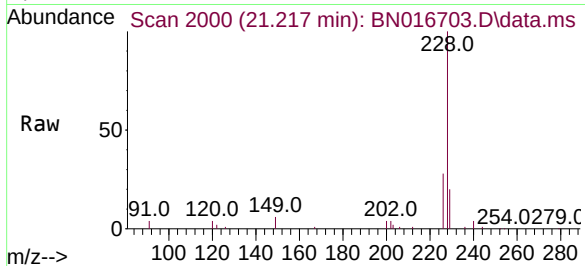




#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

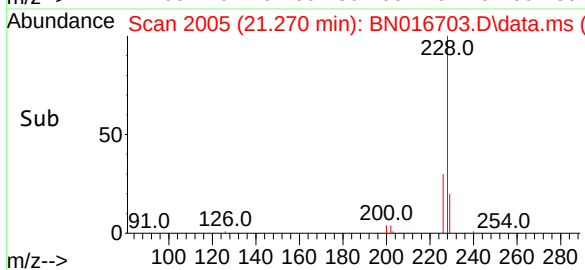
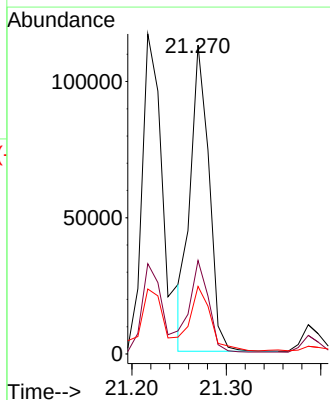
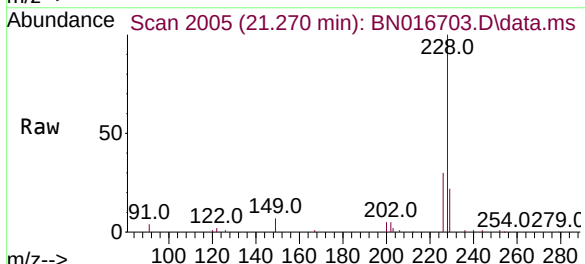
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

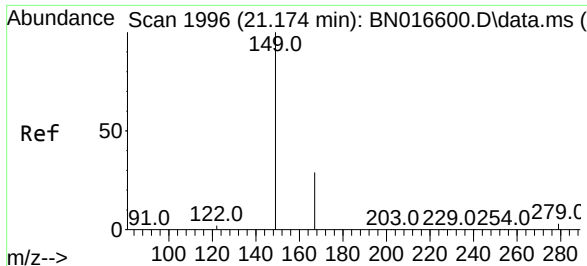
Tgt Ion:228 Resp: 166868
Ion Ratio Lower Upper
228 100
226 28.2 21.9 32.9
229 20.3 15.7 23.5



#33
Chrysene
Concen: 0.367 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:228 Resp: 154213
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 21.8 15.5 23.3

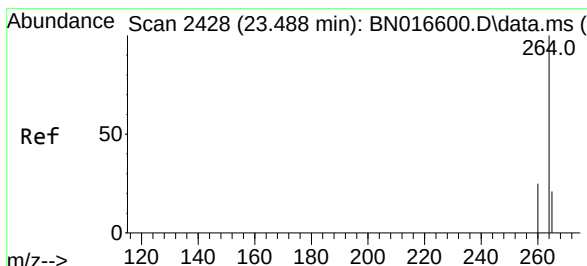
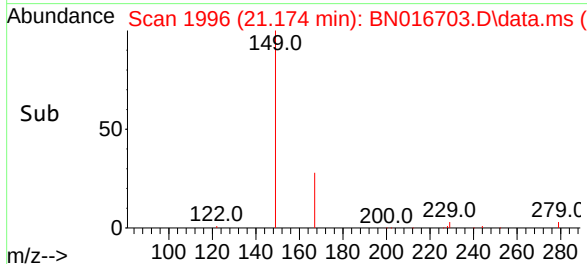
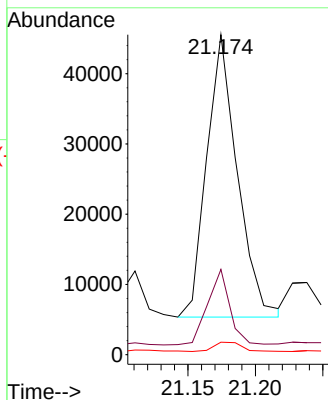
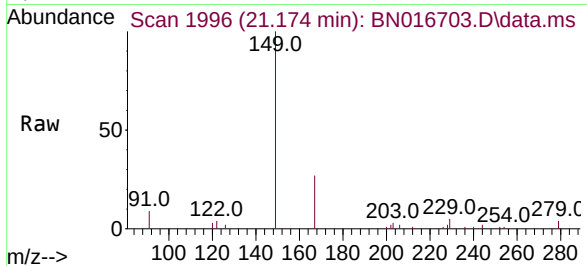




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.384 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

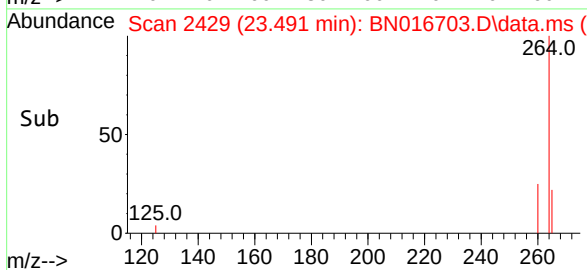
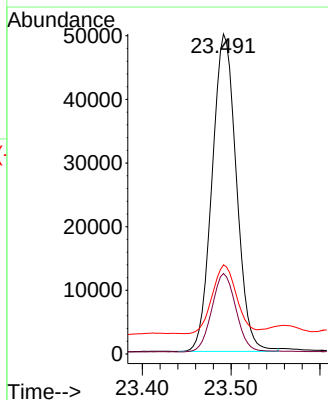
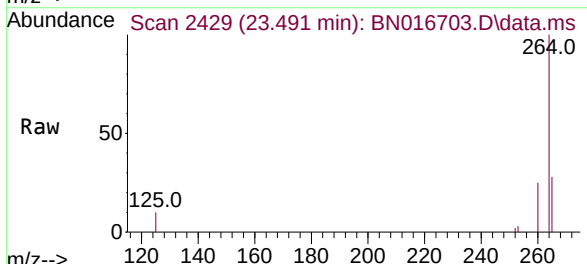
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

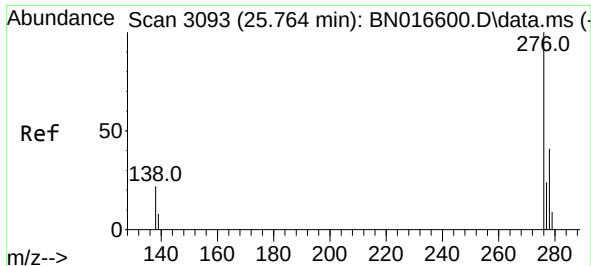
Tgt Ion:149 Resp: 63482
Ion Ratio Lower Upper
149 100
167 19.3 22.2 33.4#
279 3.1 3.2 4.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.491 min Scan# 2429
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:264 Resp: 94513
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 27.8 19.2 28.8

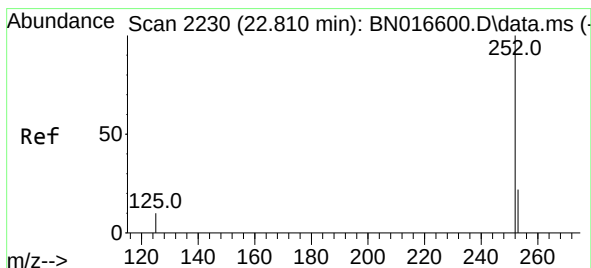
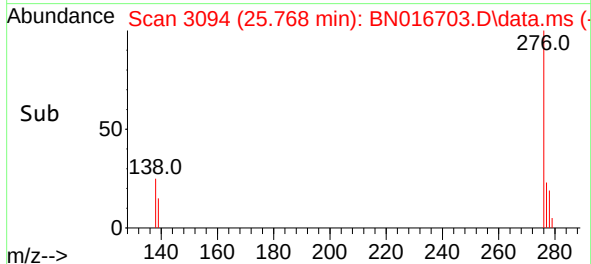
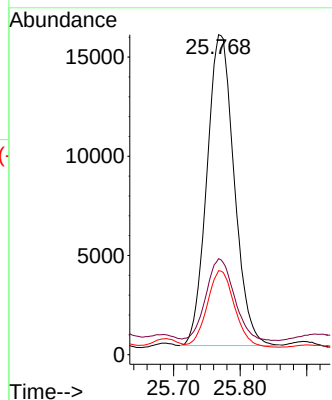
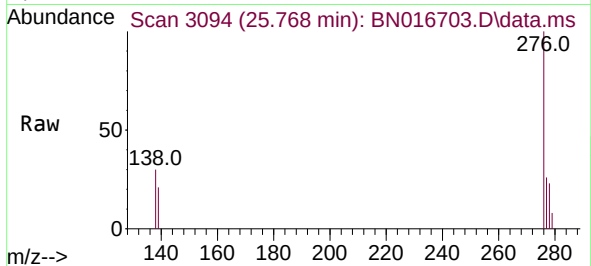




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.132 ng
RT: 25.768 min Scan# 3094
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

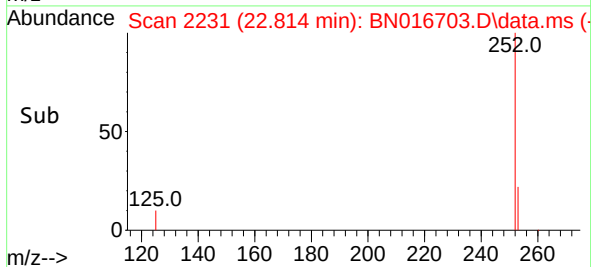
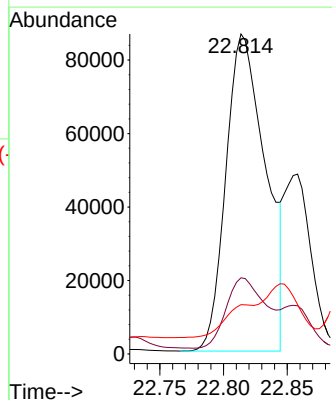
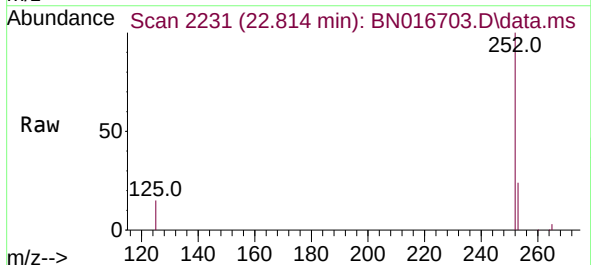
Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221

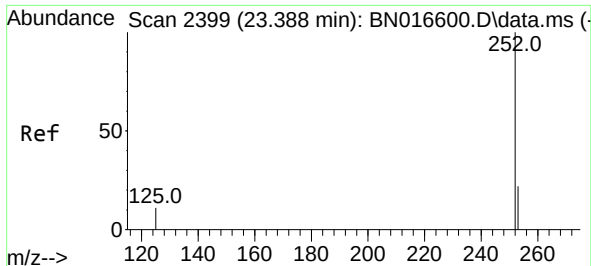
Tgt Ion:276 Resp: 44628
Ion Ratio Lower Upper
276 100
138 27.1 19.5 29.3
277 24.8 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.615 ng
RT: 22.814 min Scan# 2231
Delta R.T. 0.004 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Tgt Ion:252 Resp: 186795
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 15.4 8.0 12.0#





#39

Benzo(a)pyrene

Concen: 0.386 ng

RT: 23.392 min Scan# 2400

Delta R.T. 0.004 min

Lab File: BN016703.D

Acq: 03 Oct 2021 11:48

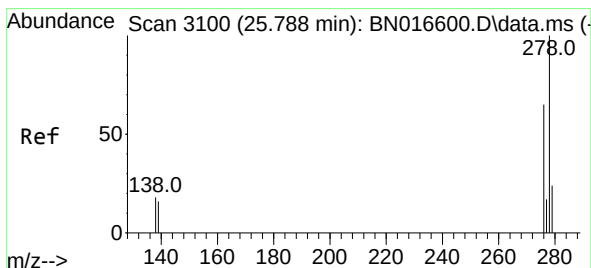
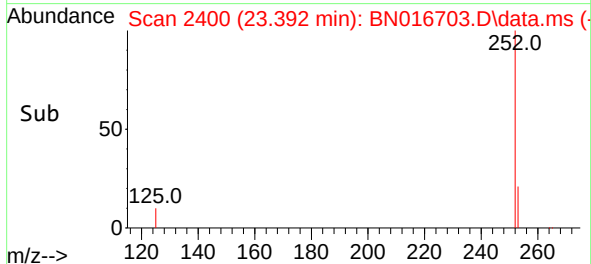
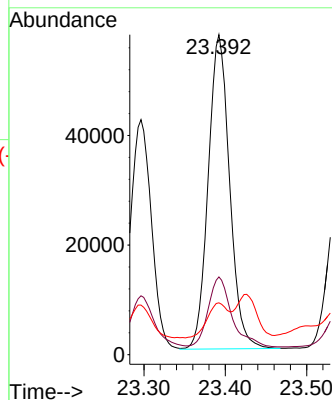
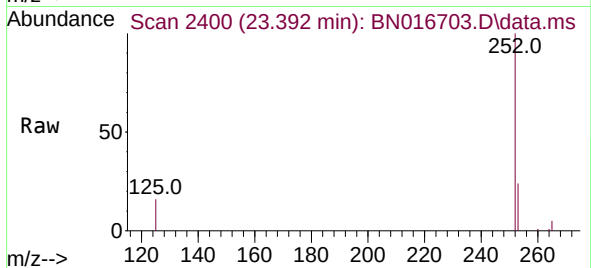
Tgt Ion:252 Resp: 104555

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

125 16.2 9.0 13.4#



#40

Dibenzo(a,h)anthracene

Concen: 0.055 ng

RT: 25.785 min Scan# 3099

Delta R.T. -0.003 min

Lab File: BN016703.D

Acq: 03 Oct 2021 11:48

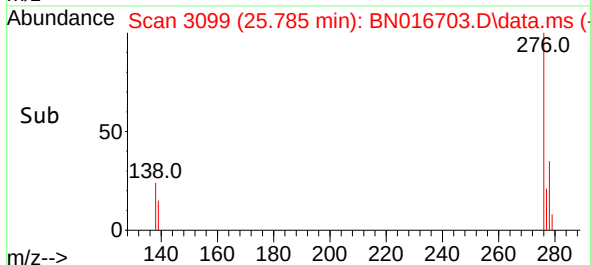
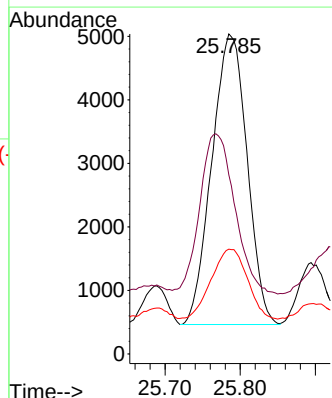
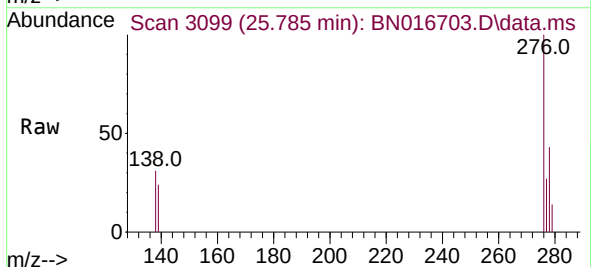
Tgt Ion:278 Resp: 14895

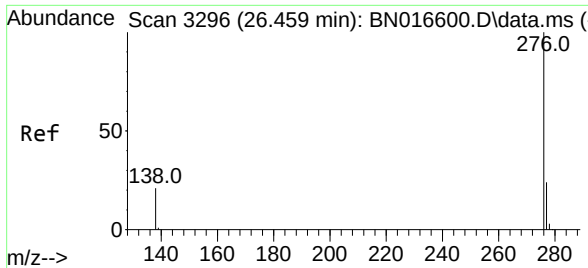
Ion Ratio Lower Upper

278 100

139 56.0 13.1 19.7#

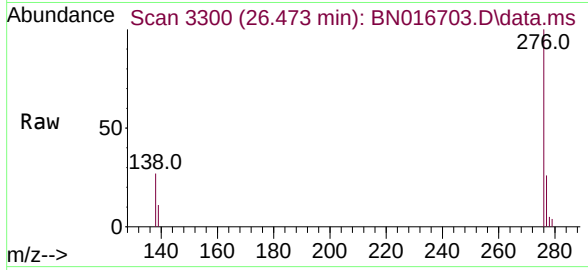
279 32.7 19.1 28.7#





#41
Benzo(g,h,i)perylene
Concen: 0.121 ng
RT: 26.473 min Scan# 3300
Delta R.T. 0.014 min
Lab File: BN016703.D
Acq: 03 Oct 2021 11:48

Instrument :
BNA_N
ClientSampleId :
S-822-N-SO-1-1.5-092221



Tgt Ion:276 Resp: 35975
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.6
138 27.1 16.9 25.3#

