

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016804.D
 Acq On : 07 Oct 2021 07:20
 Operator : CG/JU
 Sample : M3945-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

Quant Time: Oct 07 07:50:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 14:22:07 2021
 Response via : Initial Calibration

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

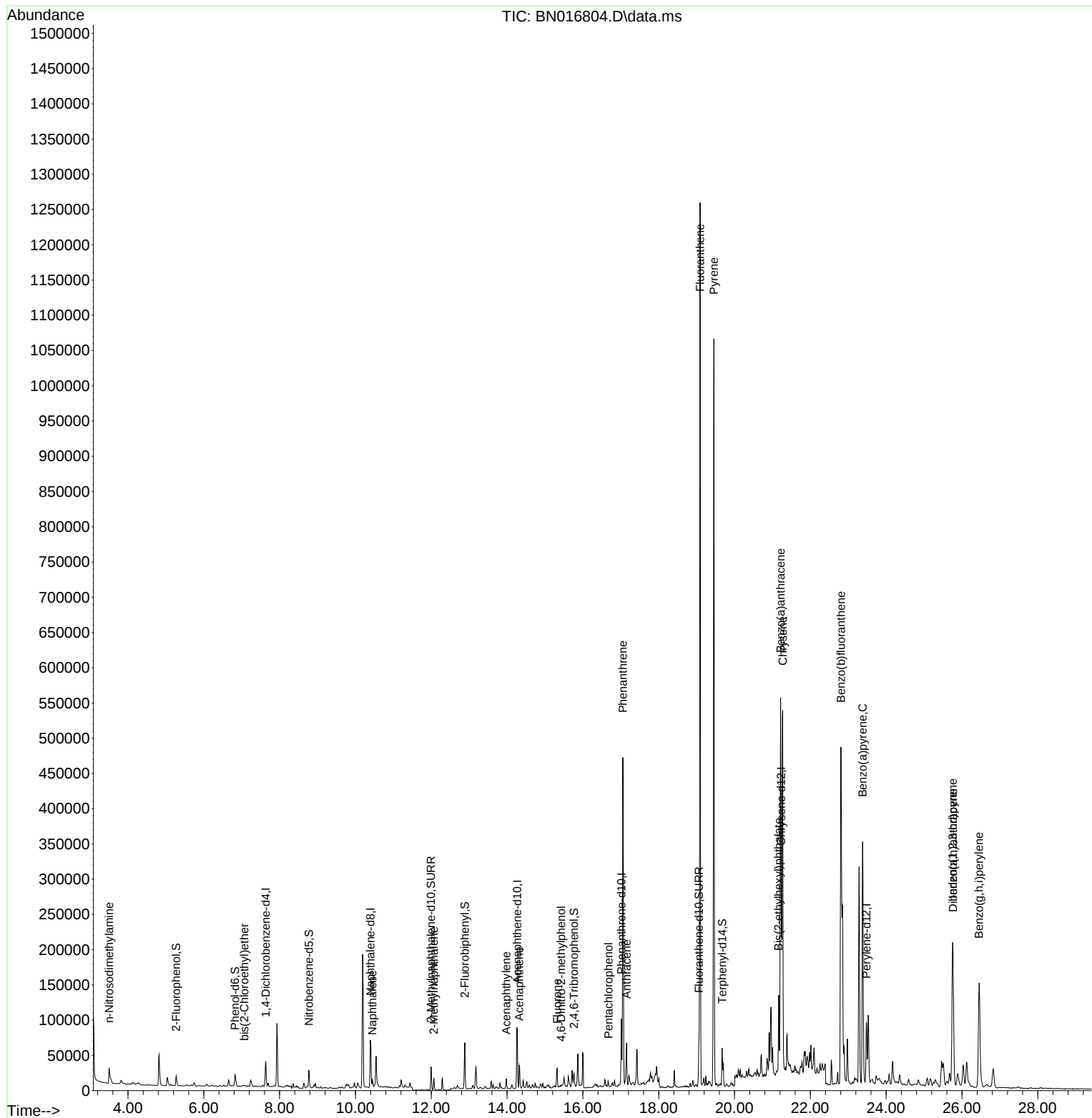
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	20144	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	95729	0.400	ng	-0.01
13) Acenaphthene-d10	14.268	164	57569	0.400	ng	0.00
19) Phenanthrene-d10	17.017	188	115161	0.400	ng	# 0.00
29) Chrysene-d12	21.227	240	107646	0.400	ng	# 0.00
35) Perylene-d12	23.481	264	111867	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	14913	0.290	ng	0.03
5) Phenol-d6	6.821	99	17409	0.305	ng	0.00
8) Nitrobenzene-d5	8.771	82	22016	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	44747	0.314	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	10126	0.422	ng	0.00
15) 2-Fluorobiphenyl	12.885	172	54116	0.235	ng	0.00
27) Fluoranthene-d10	19.063	212	73303	0.233	ng	0.00
31) Terphenyl-d14	19.673	244	50743	0.211	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.502	42	5499	0.362	ng	# 1
6) bis(2-Chloroethyl)ether	7.070	93	2456	0.045	ng	# 25
9) Naphthalene	10.444	128	15317	0.058	ng	97
12) 2-Methylnaphthalene	12.069	142	10869	0.065	ng	98
16) Acenaphthylene	13.977	152	13067	0.051	ng	# 93
17) Acenaphthene	14.319	154	17798	0.106	ng	99
18) Fluorene	15.322	166	17353	0.086	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.423	198	26	0.269	ng	# 1
24) Pentachlorophenol	16.677	266	510	0.352	ng	96
25) Phenanthrene	17.054	178	499837	1.476	ng	99
26) Anthracene	17.151	178	62420	0.206	ng	# 90
28) Fluoranthene	19.092	202	1112267	2.961	ng	100
30) Pyrene	19.455	202	945634	2.672	ng	# 95
32) Benzo(a)anthracene	21.217	228	493882	1.479	ng	98
33) Chrysene	21.270	228	531388	1.569	ng	96
34) Bis(2-ethylhexyl)phtha...	21.163	149	87789	0.434	ng	99
36) Indeno(1,2,3-cd)pyrene	25.754	276	323587	0.911	ng	99
37) Benzo(b)fluoranthene	22.806	252	791878	2.189	ng	99
39) Benzo(a)pyrene	23.378	252	485210	1.499	ng	99
40) Dibenzo(a,h)anthracene	25.764	278	75909	0.269	ng	# 83
41) Benzo(g,h,i)perylene	26.452	276	305435	0.969	ng	98

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

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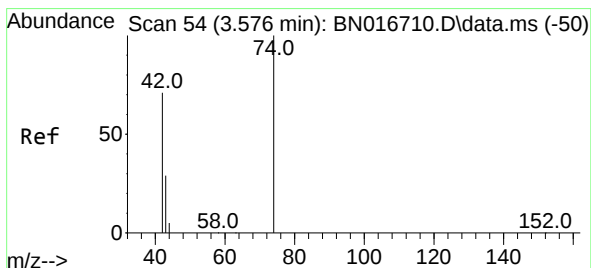
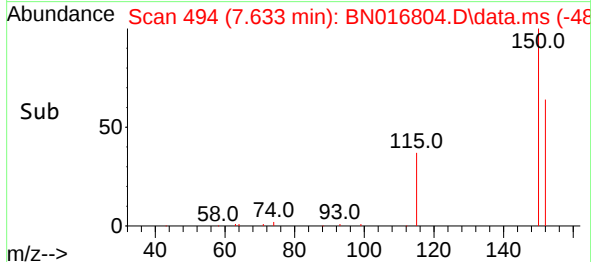
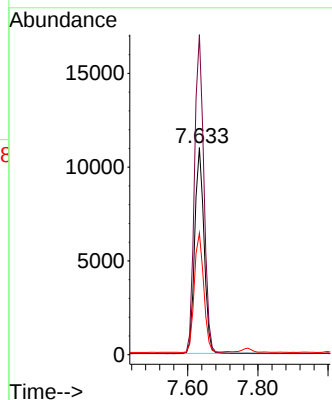
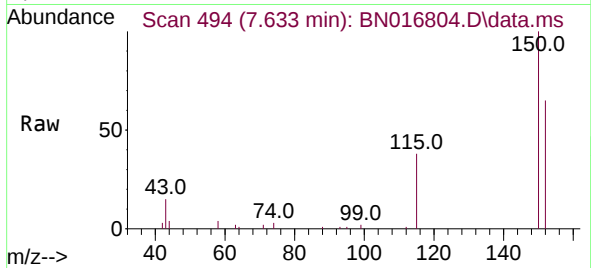




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 494
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

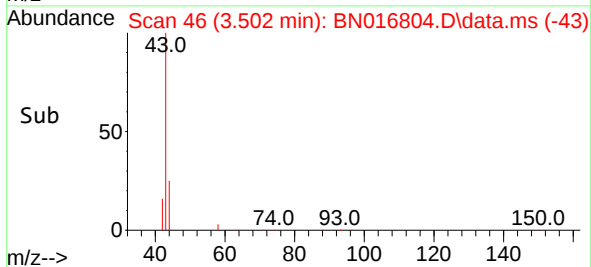
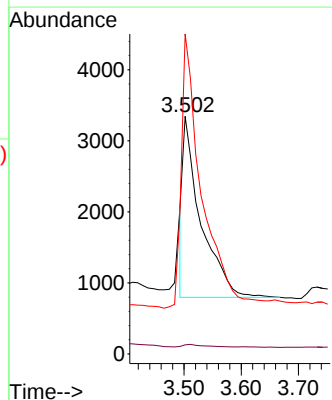
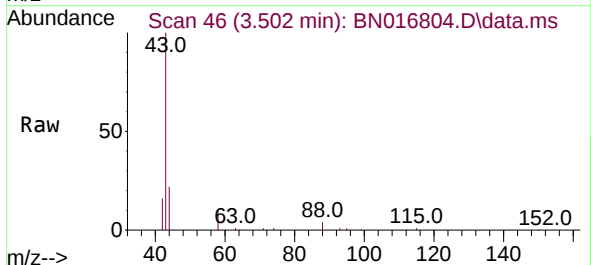
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

Tgt Ion:152 Resp: 20144
Ion Ratio Lower Upper
152 100
150 154.6 123.3 184.9
115 58.8 47.0 70.6



#3
n-Nitrosodimethylamine
Concen: 0.362 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.074 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion: 42 Resp: 5499
Ion Ratio Lower Upper
42 100
74 2.5 124.0 186.0#
44 144.5 5.6 8.4#

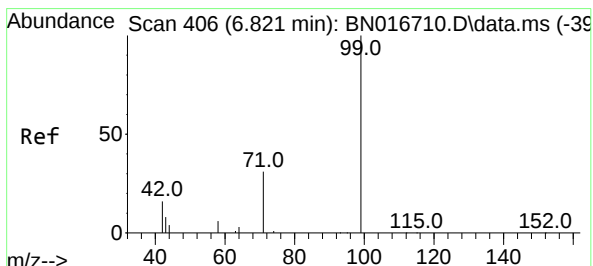
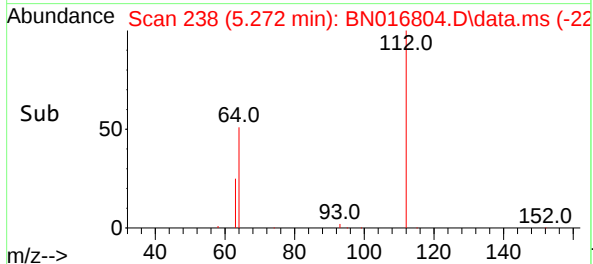
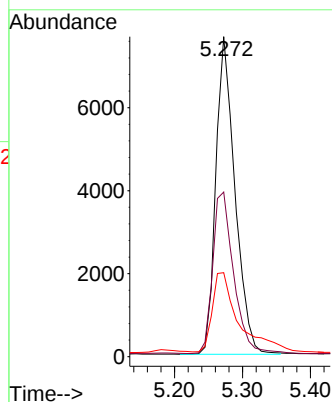
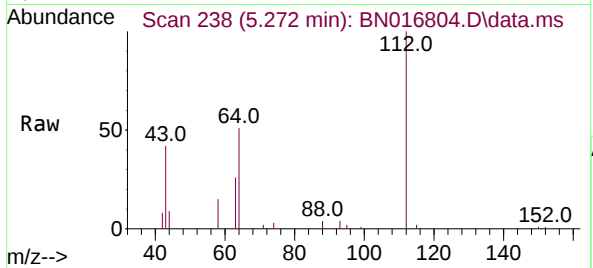




#4
2-Fluorophenol
Concen: 0.290 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.027 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

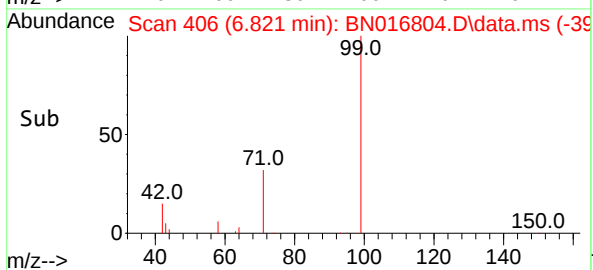
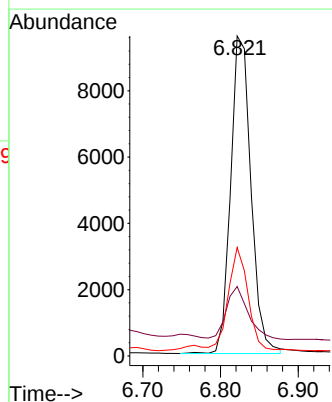
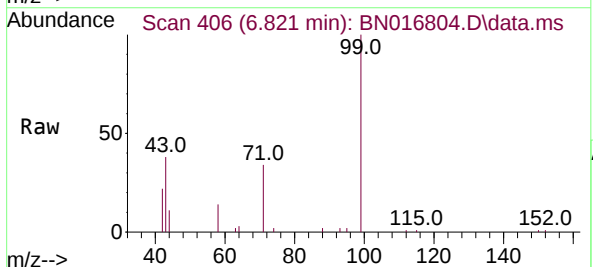
Instrument :
BNA_N
ClientSampleId :
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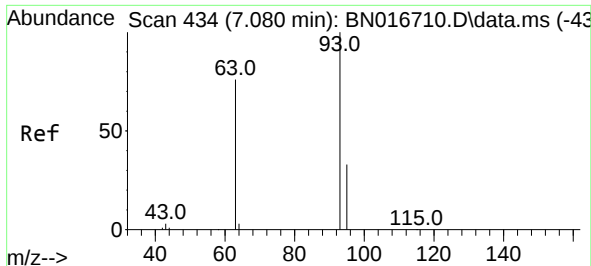
Tgt Ion:112 Resp: 14913
Ion Ratio Lower Upper
112 100
64 55.4 42.9 64.3
63 33.8 21.5 32.3#



#5
Phenol-d6
Concen: 0.305 ng
RT: 6.821 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion: 99 Resp: 17409
Ion Ratio Lower Upper
99 100
42 17.6 13.4 20.2
71 30.4 24.0 36.0

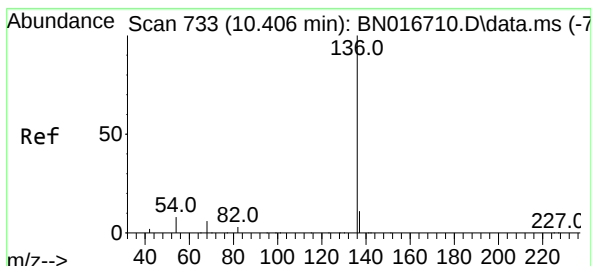
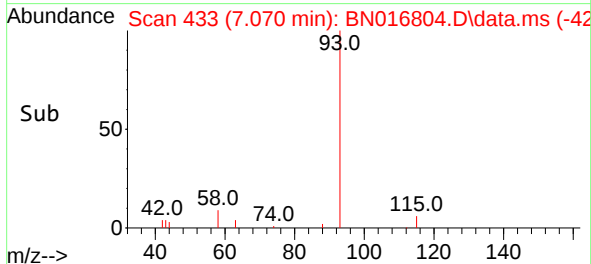
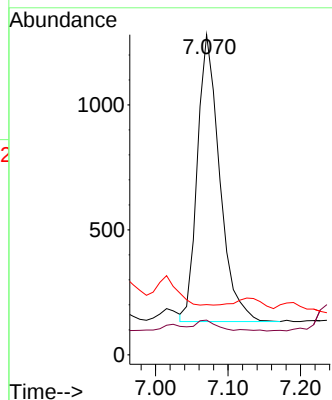
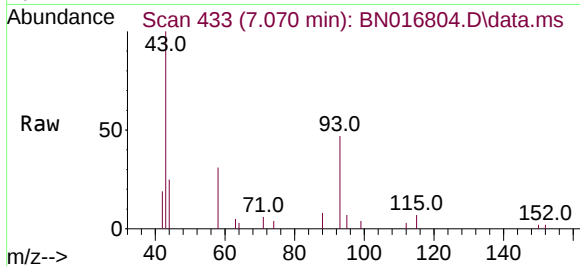




#6
bis(2-Chloroethyl)ether
Concen: 0.045 ng
RT: 7.070 min Scan# 433
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

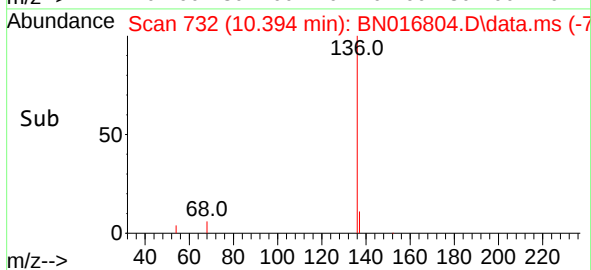
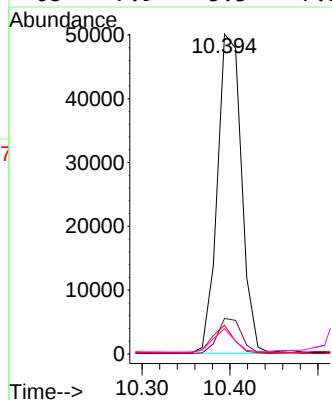
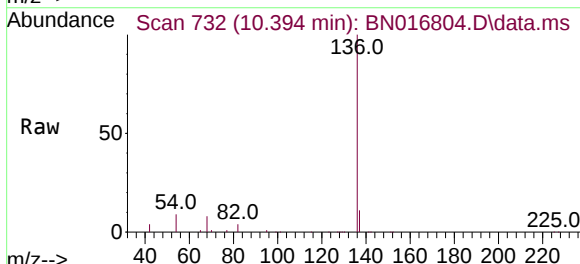
Instrument :
BNA_N
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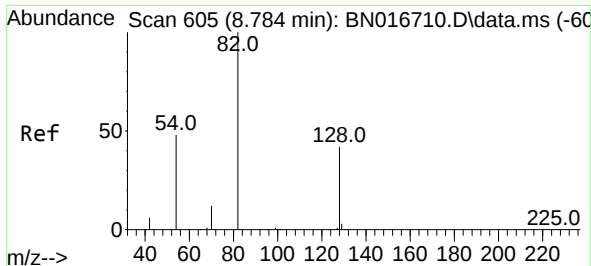
Tgt Ion:	93	Resp:	2456
Ion	Ratio	Lower	Upper
93	100		
63	4.0	59.0	88.6#
95	0.0	26.4	39.6#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.013 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:	136	Resp:	95729
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	6.5	9.7
68	7.9	5.3	7.9

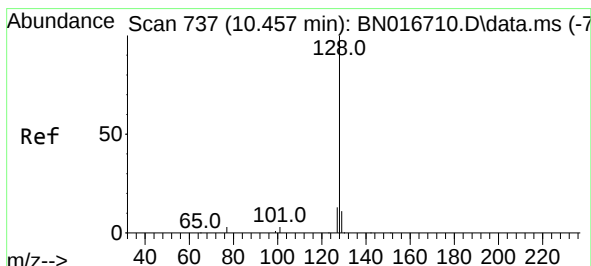
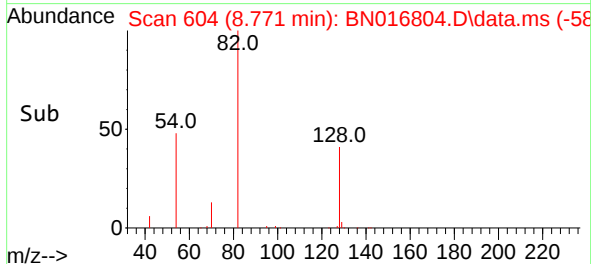
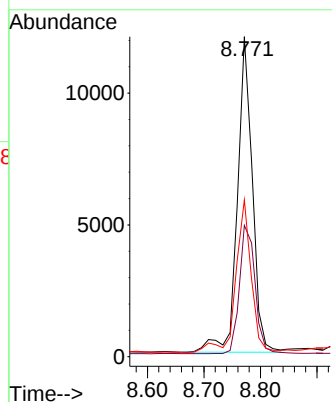
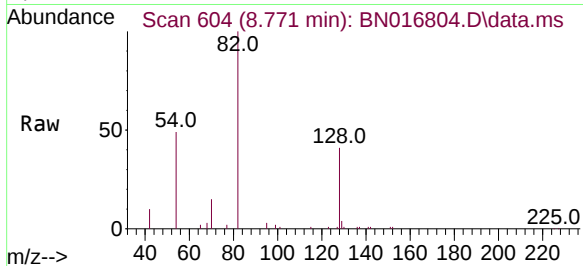




#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.771 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

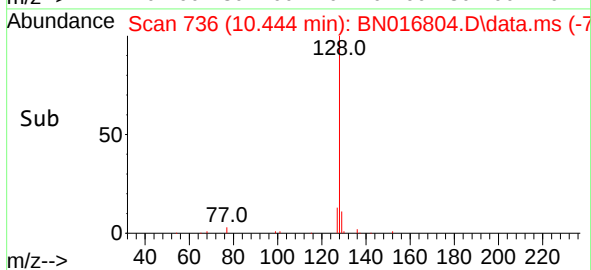
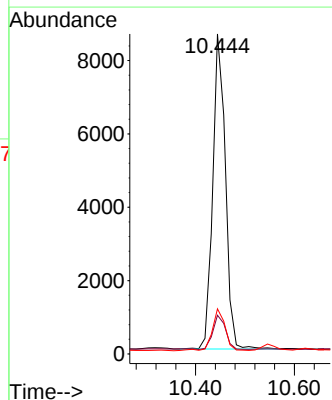
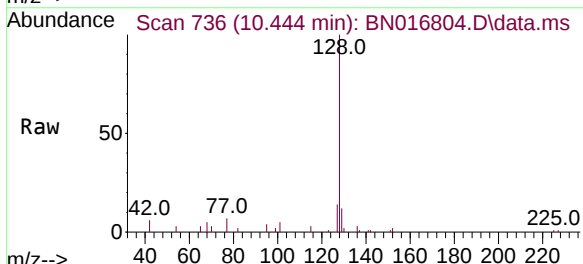
Instrument :
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ClientSampleId :
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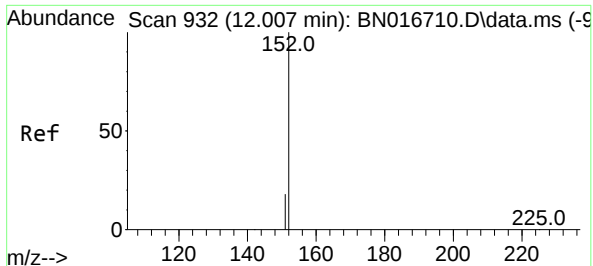
Tgt Ion: 82 Resp: 22016
Ion Ratio Lower Upper
82 100
128 41.1 33.8 50.6
54 49.0 38.5 57.7



#9
Naphthalene
Concen: 0.058 ng
RT: 10.444 min Scan# 736
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion: 128 Resp: 15317
Ion Ratio Lower Upper
128 100
129 12.1 8.7 13.1
127 14.1 10.3 15.5

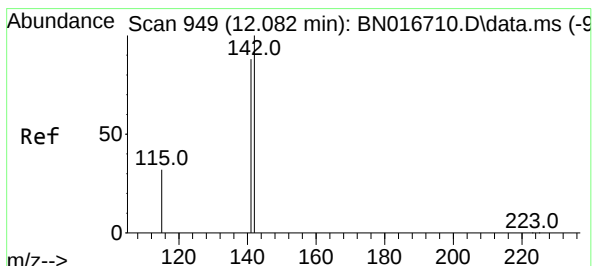
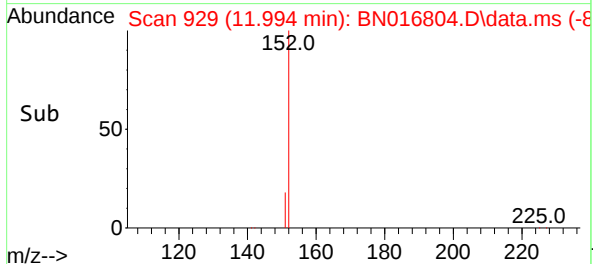
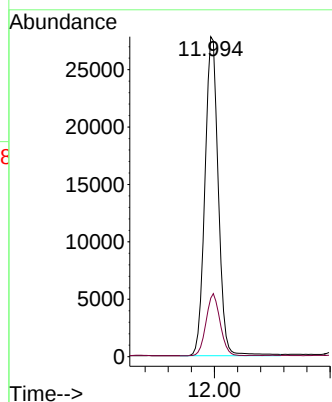
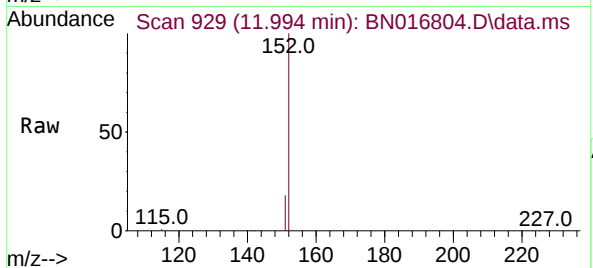




#11
2-Methylnaphthalene-d10
Concen: 0.314 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.005 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

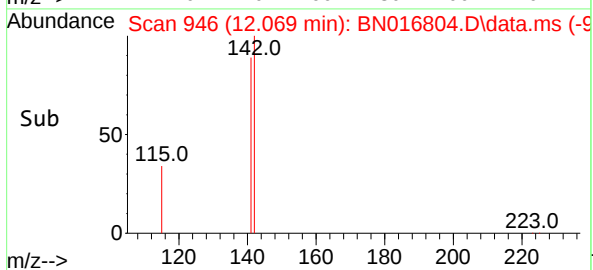
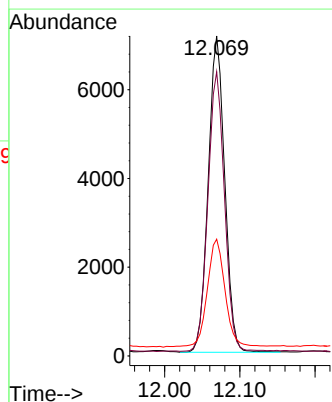
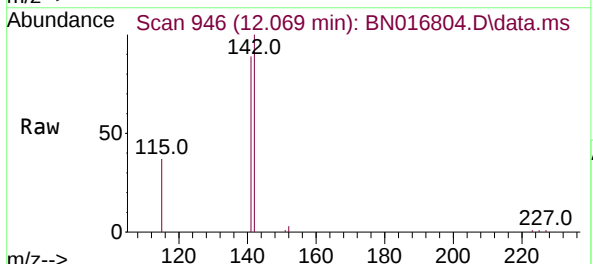
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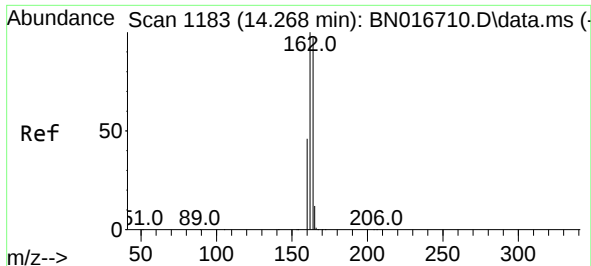
Tgt Ion:152 Resp: 44747
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.065 ng
RT: 12.069 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:142 Resp: 10869
Ion Ratio Lower Upper
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141 88.8 70.6 106.0
115 36.5 26.1 39.1

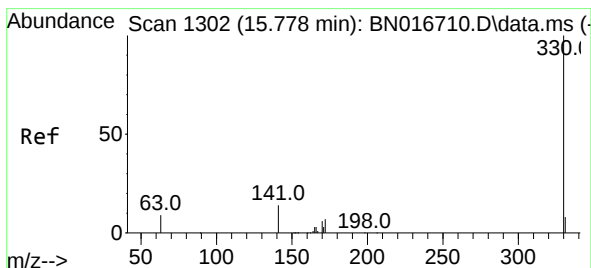
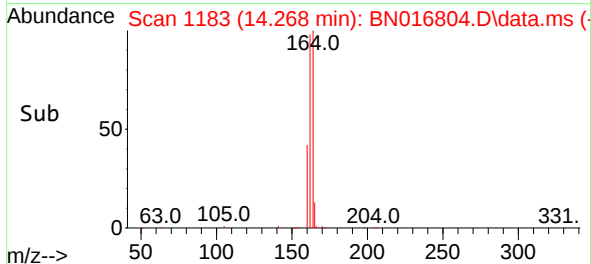
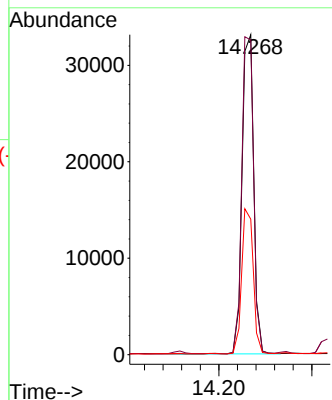
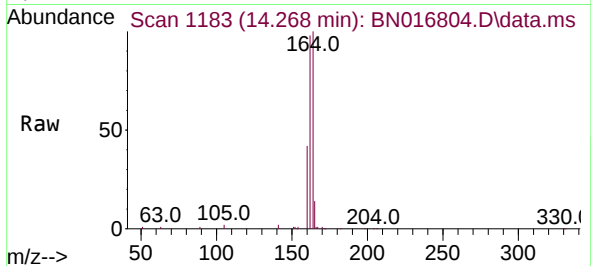




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.268 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

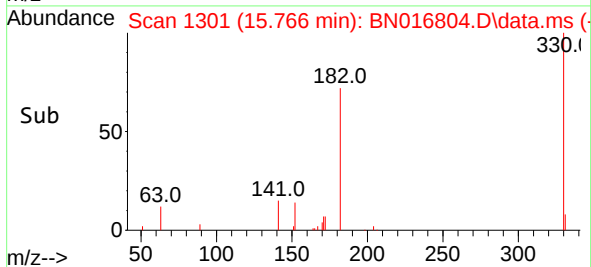
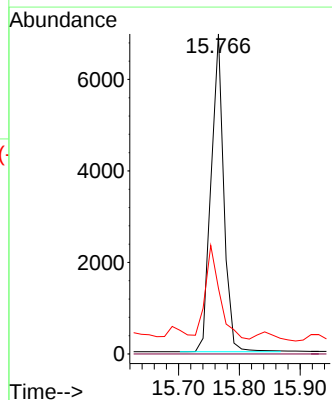
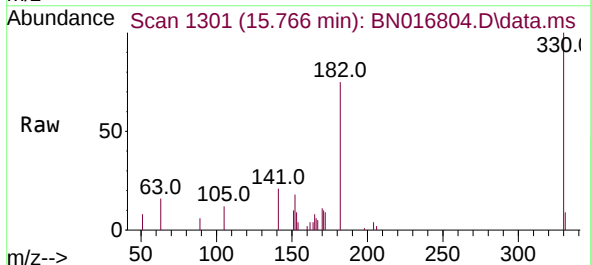
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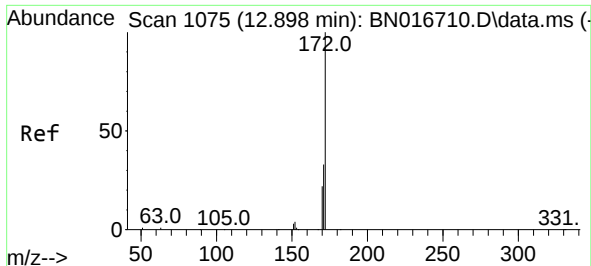
Tgt Ion:164 Resp: 57569
Ion Ratio Lower Upper
164 100
162 98.4 82.6 124.0
160 42.3 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.422 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:330 Resp: 10126
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.0 24.2 36.2

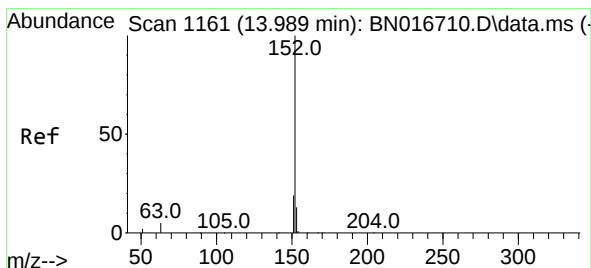
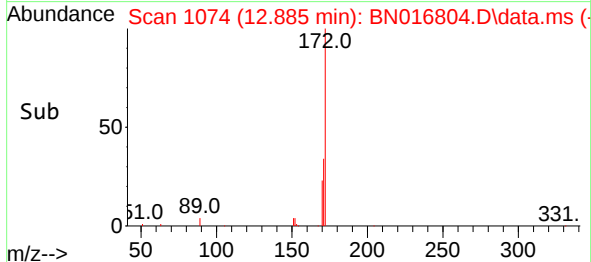
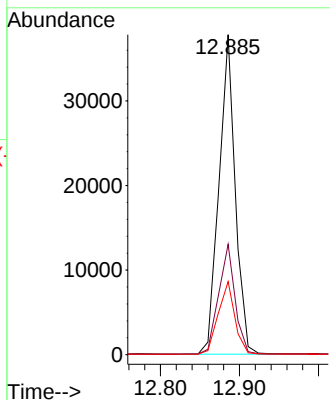
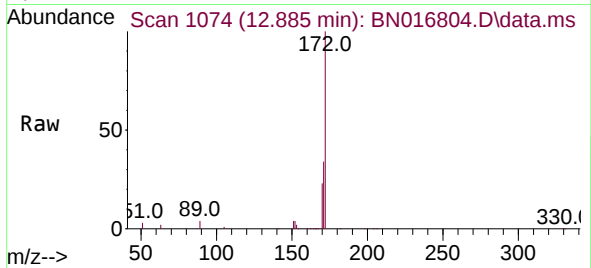




#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

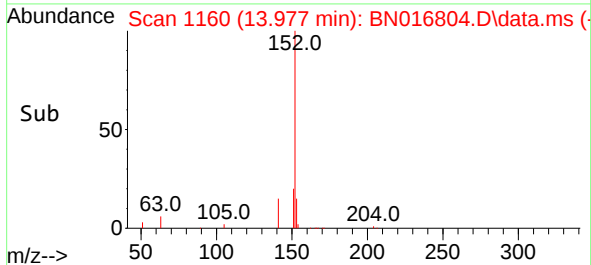
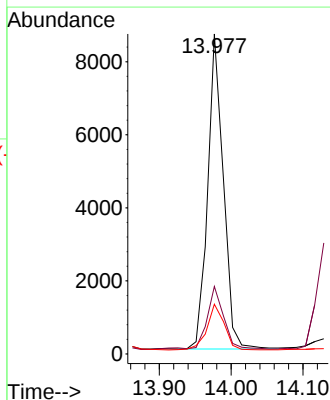
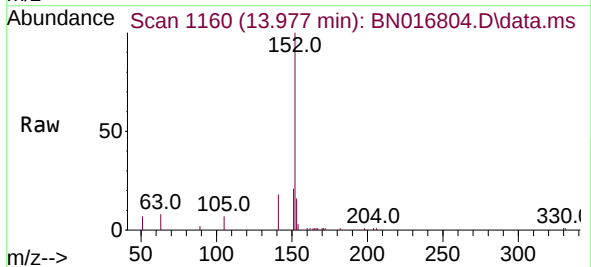
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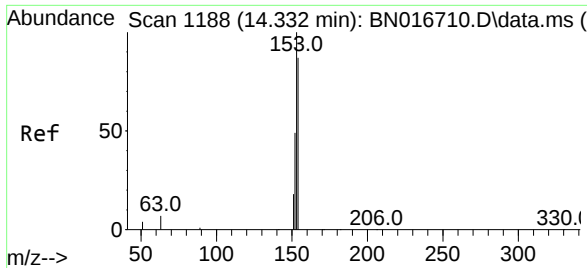
Tgt Ion:172	Resp:	54116
Ion Ratio	Lower	Upper
172	100	
171	34.5	26.9 40.3
170	22.8	17.4 26.0



#16
Acenaphthylene
Concen: 0.051 ng
RT: 13.977 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:152	Resp:	13067
Ion Ratio	Lower	Upper
152	100	
151	21.9	15.5 23.3
153	16.2	10.4 15.6

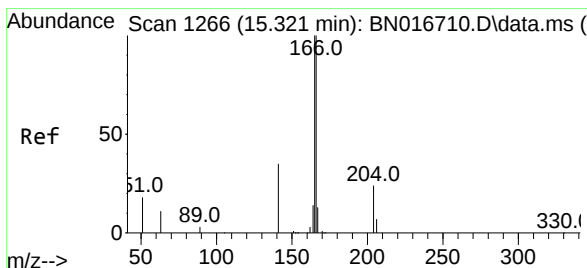
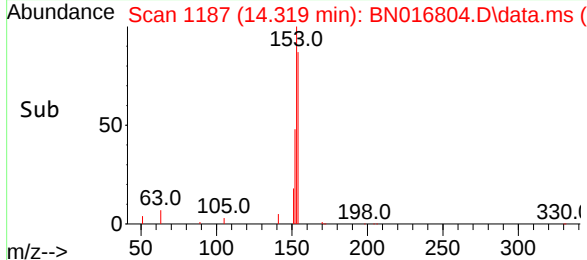
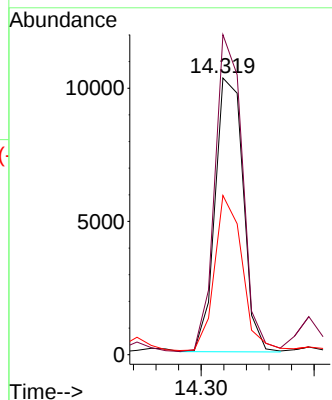
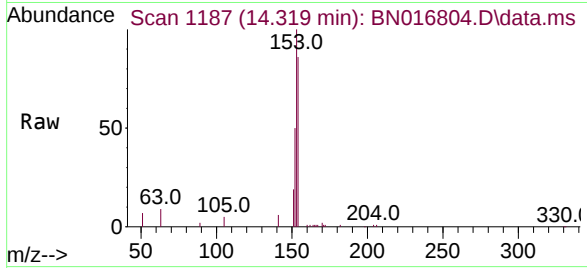




#17
Acenaphthene
Concen: 0.106 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.013 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

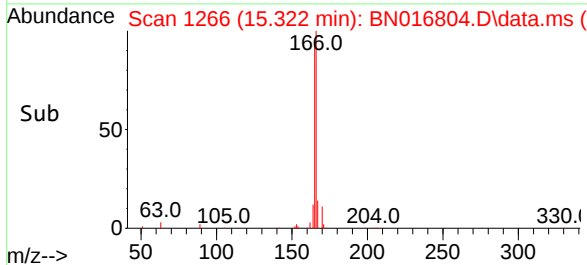
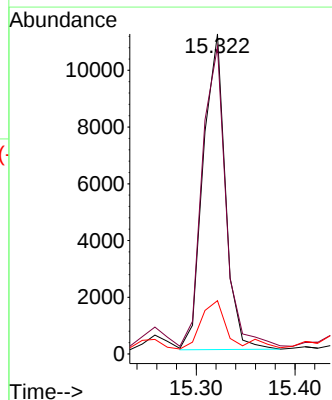
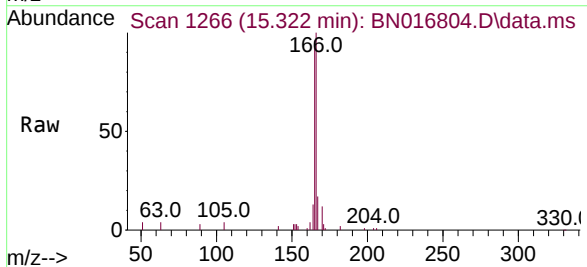
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

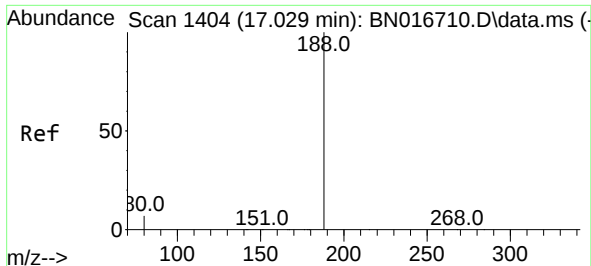
Tgt Ion:154 Resp: 17798
Ion Ratio Lower Upper
154 100
153 113.6 90.1 135.1
152 55.5 43.6 65.4



#18
Fluorene
Concen: 0.086 ng
RT: 15.322 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:166 Resp: 17353
Ion Ratio Lower Upper
166 100
165 100.6 78.1 117.1
167 19.2 10.7 16.1#

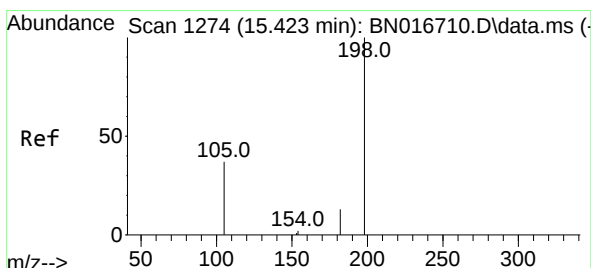
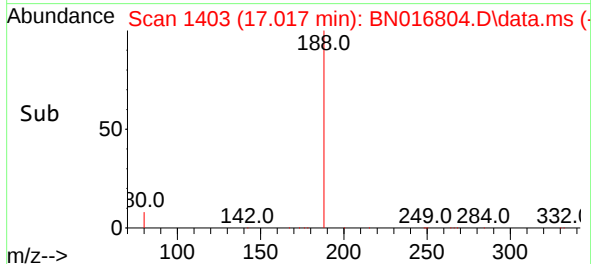
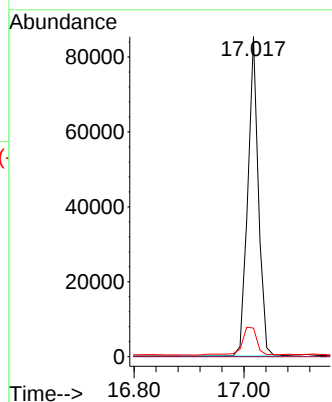
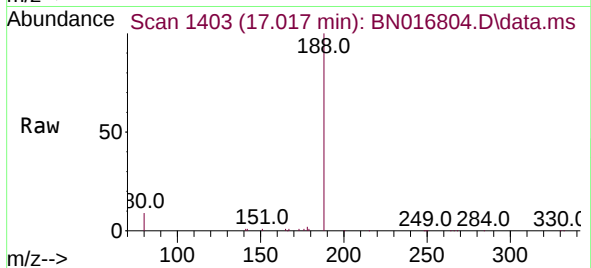




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

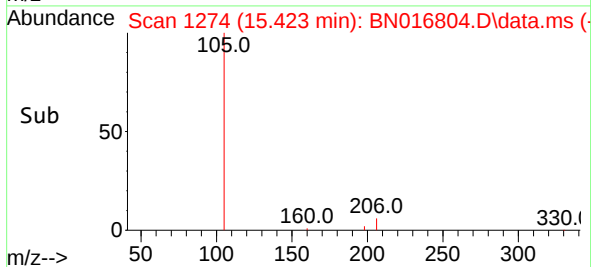
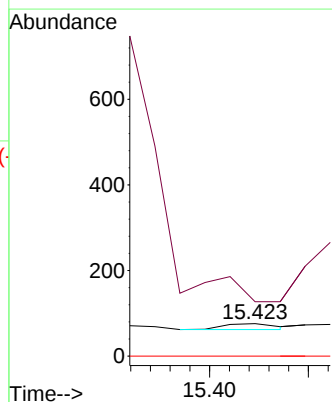
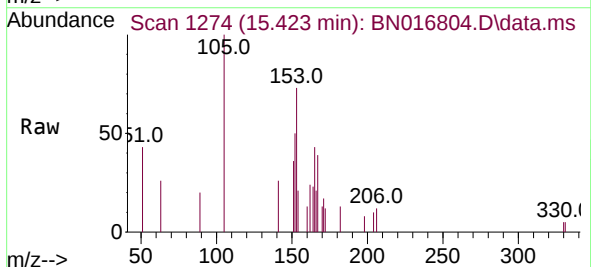
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

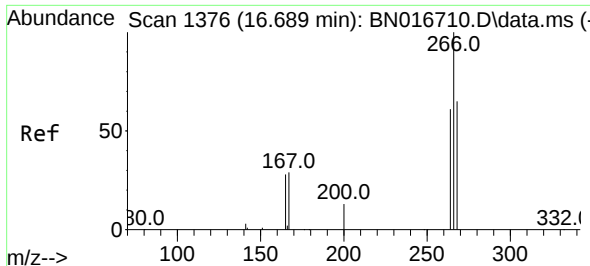
Tgt Ion:188 Resp: 115161
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 5.8 8.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.269 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.012 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
182 167.1 26.2 39.2#
77 0.0 0.0 0.0

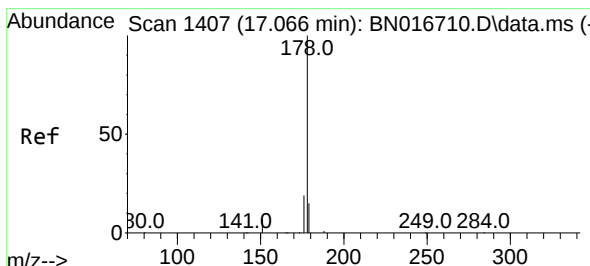
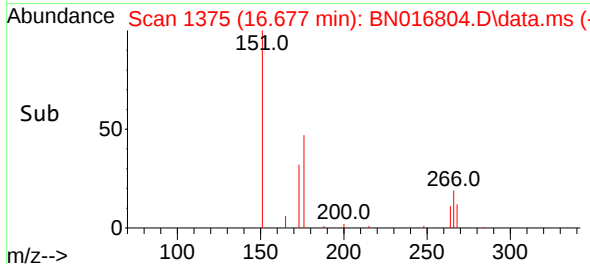
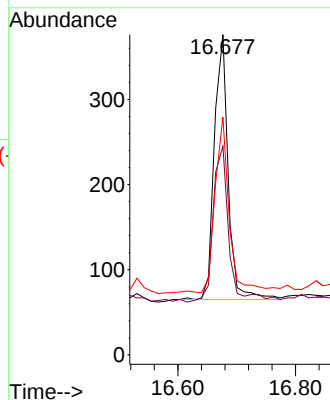
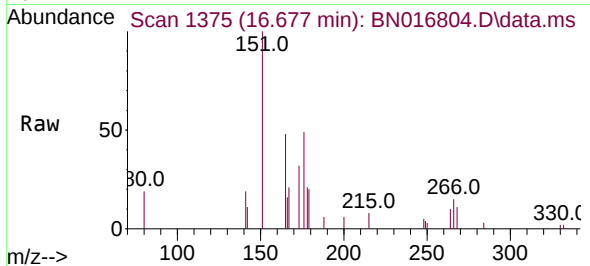




#24
 Pentachlorophenol
 Concen: 0.352 ng
 RT: 16.677 min Scan# 1375
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

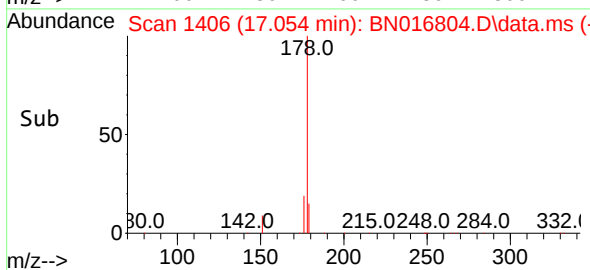
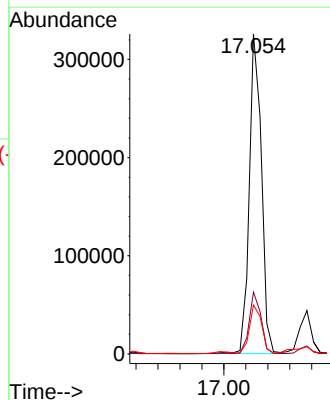
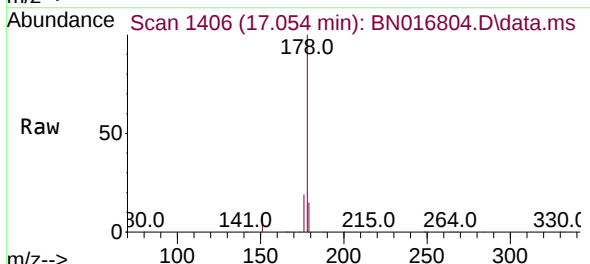
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

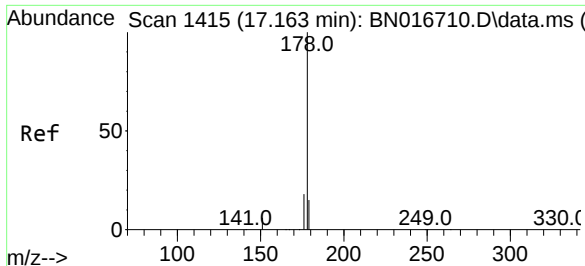
Tgt Ion:	266	Resp:	510
Ion Ratio	Lower	Upper	
266	100		
264	66.5	49.3	73.9
268	65.7	51.8	77.8



#25
 Phenanthrene
 Concen: 1.476 ng
 RT: 17.054 min Scan# 1406
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

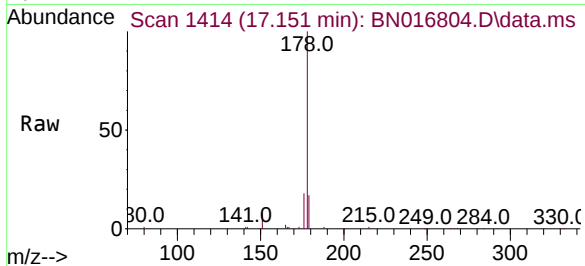
Tgt Ion:	178	Resp:	499837
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.0	22.6
179	14.9	12.4	18.6



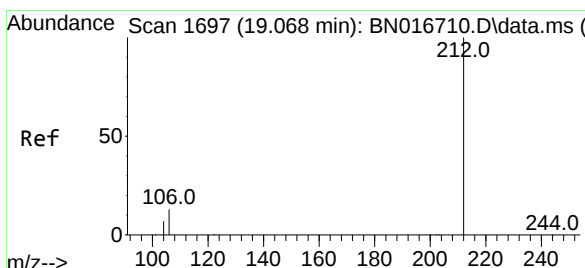
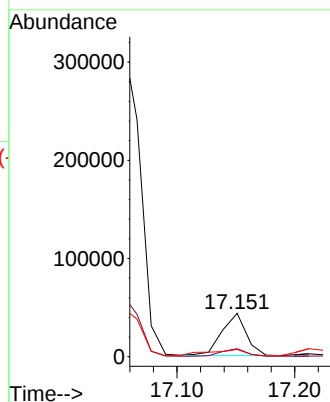
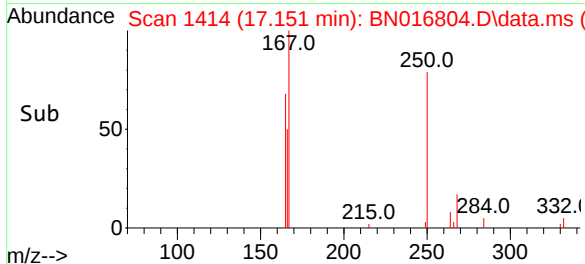


#26
 Anthracene
 Concen: 0.206 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

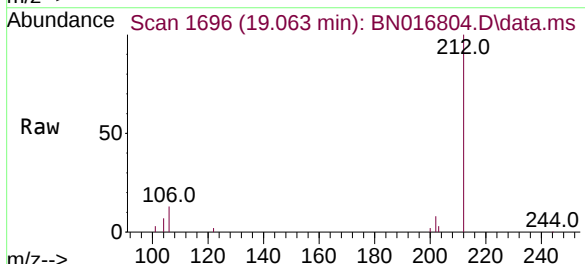
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421



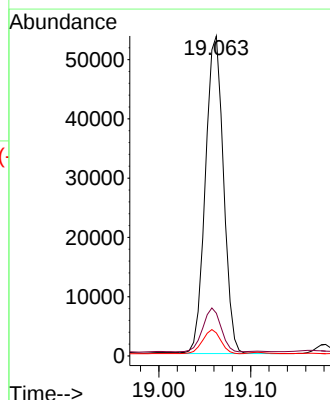
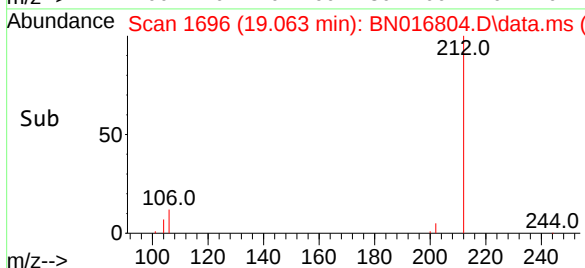
Tgt Ion:178 Resp: 62420
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.5 21.7
 179 24.1 12.2 18.4#

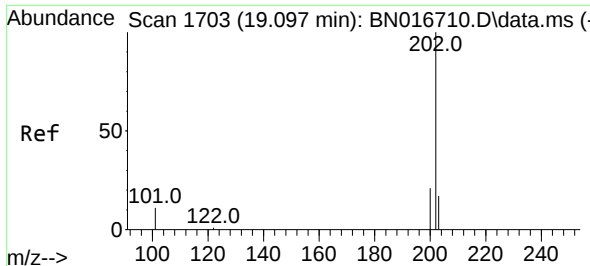


#27
 Fluoranthene-d10
 Concen: 0.233 ng
 RT: 19.063 min Scan# 1696
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20



Tgt Ion:212 Resp: 73303
 Ion Ratio Lower Upper
 212 100
 106 13.8 10.6 16.0
 104 7.7 5.8 8.8

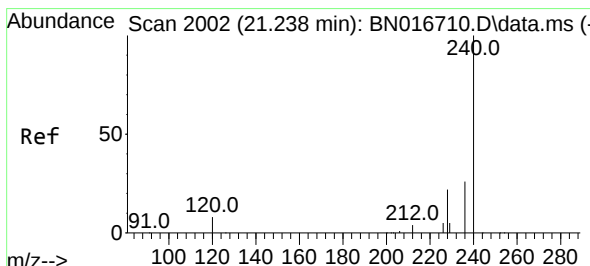
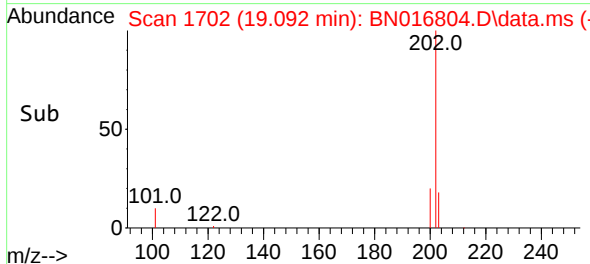
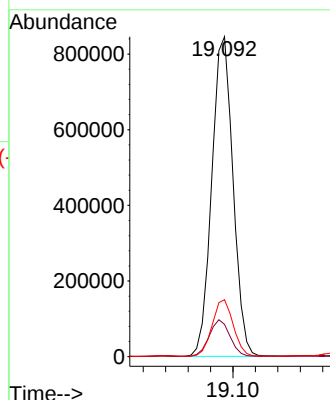
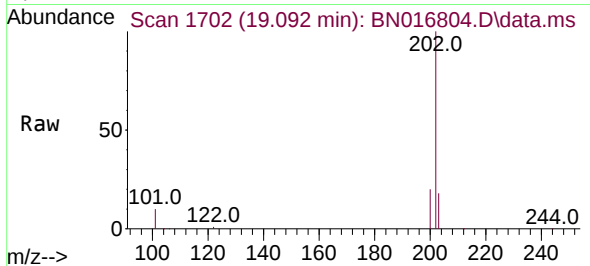




#28
Fluoranthene
Concen: 2.961 ng
RT: 19.092 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

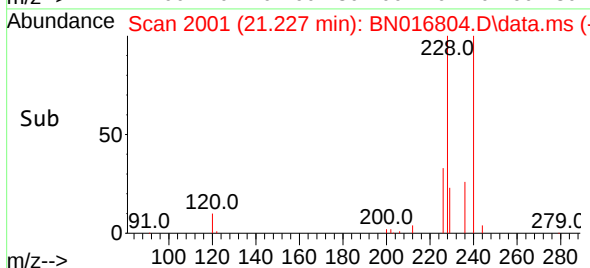
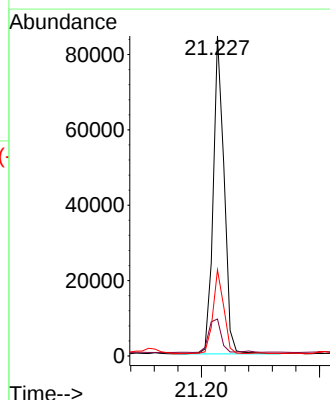
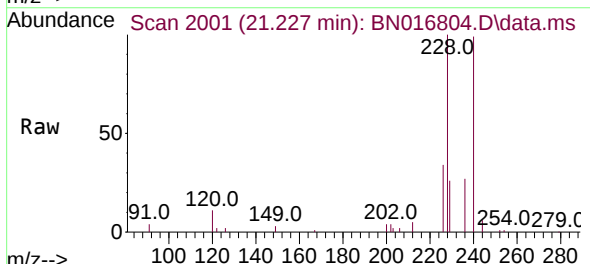
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

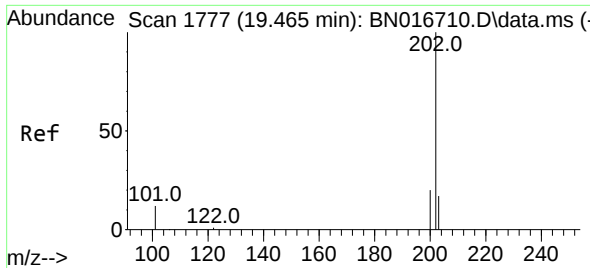
Tgt Ion:202 Resp: 1112267
Ion Ratio Lower Upper
202 100
101 11.1 8.9 13.3
203 17.5 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:240 Resp: 107646
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 26.9 20.7 31.1

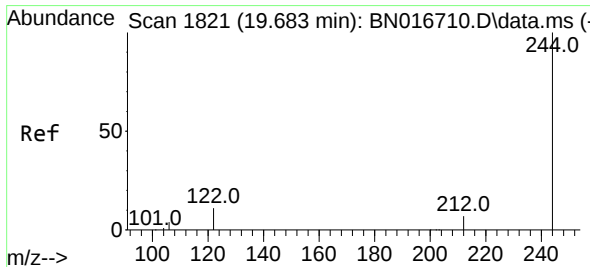
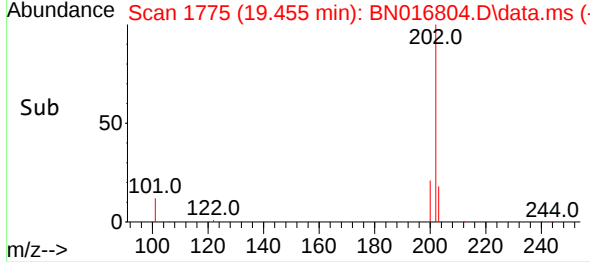
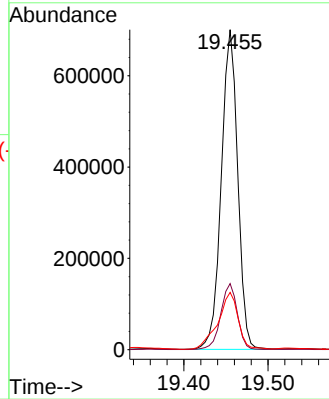
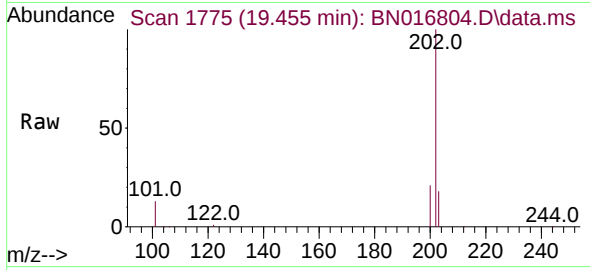




#30
Pyrene
Concen: 2.672 ng
RT: 19.455 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

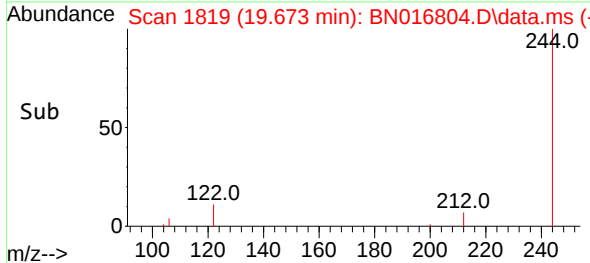
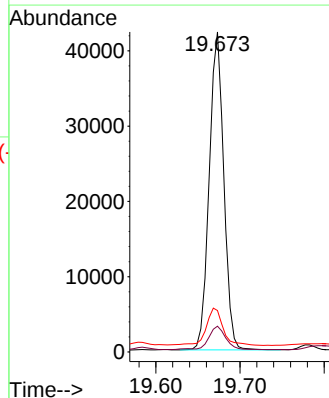
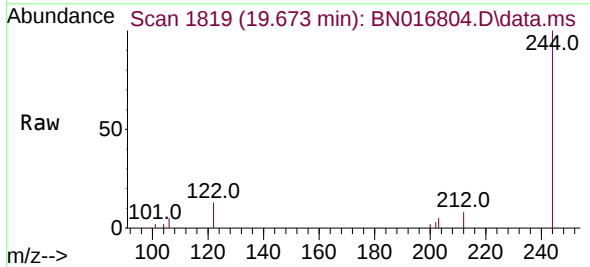
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

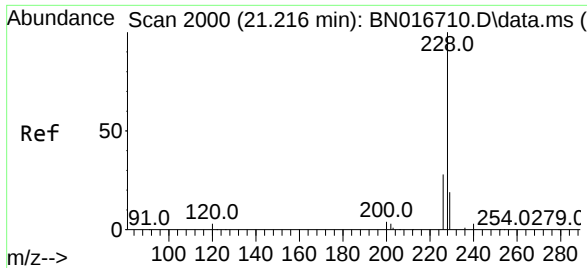
Tgt Ion:	202	Resp:	945634
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.5	24.7
203	21.9	13.9	20.9#



#31
Terphenyl-d14
Concen: 0.211 ng
RT: 19.673 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:	244	Resp:	50743
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.8	8.6
122	12.9	8.9	13.3

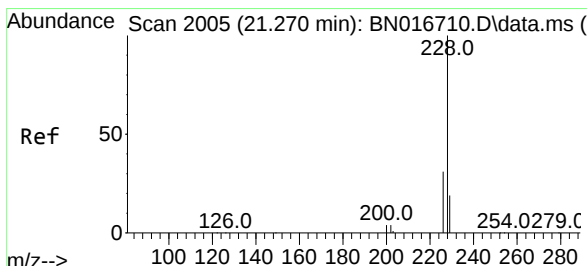
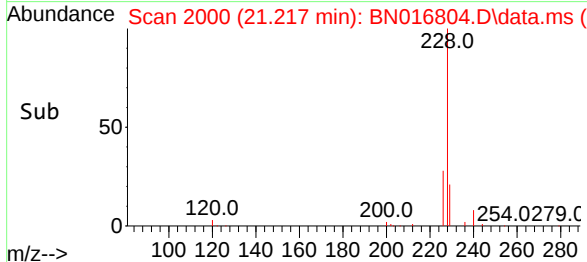
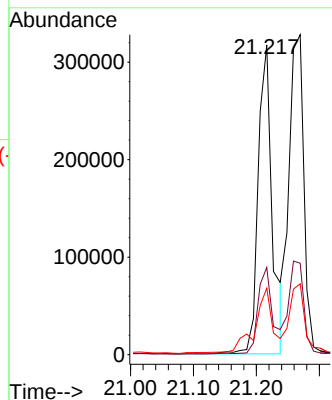
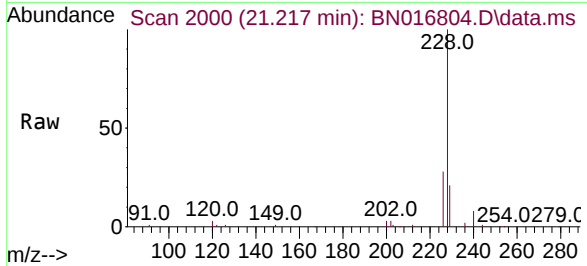




#32
Benzo(a)anthracene
Concen: 1.479 ng
RT: 21.217 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

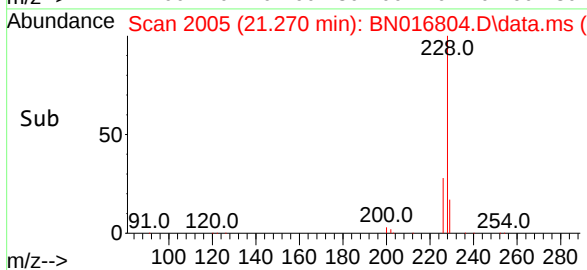
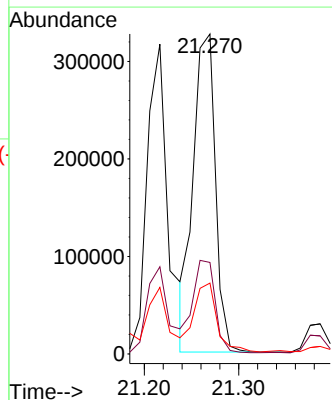
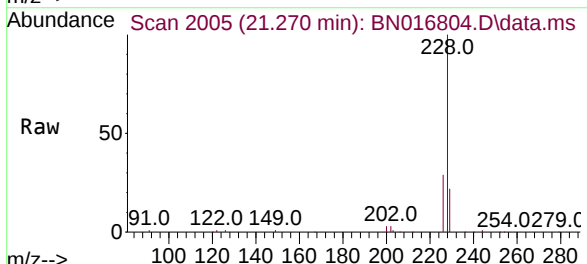
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

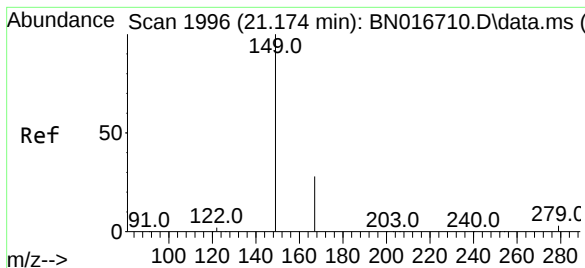
Tgt Ion:228 Resp: 493882
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 21.5 15.4 23.0



#33
Chrysene
Concen: 1.569 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:228 Resp: 531388
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.4
229 22.1 15.4 23.0

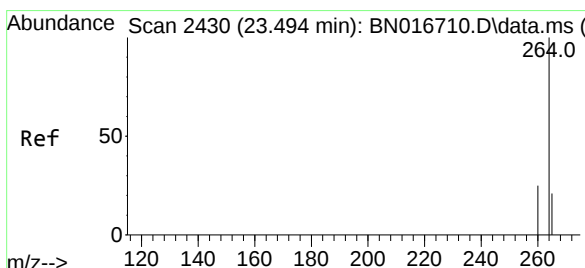
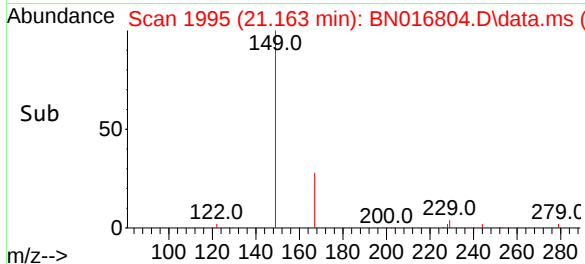
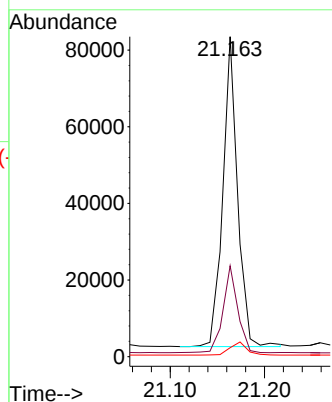
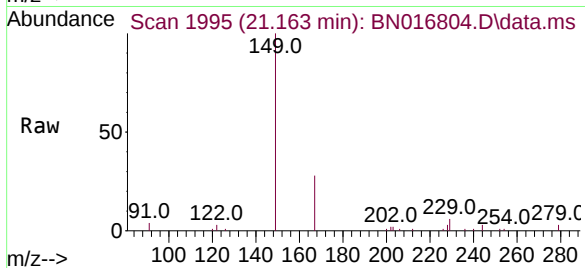




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.434 ng
 RT: 21.163 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

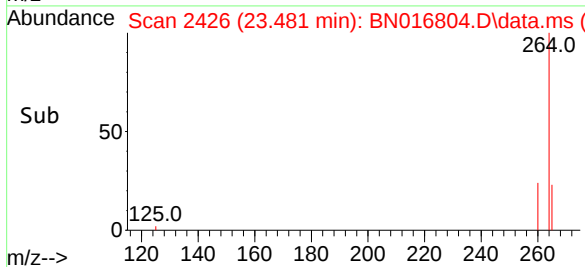
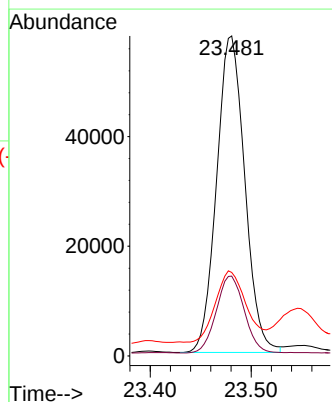
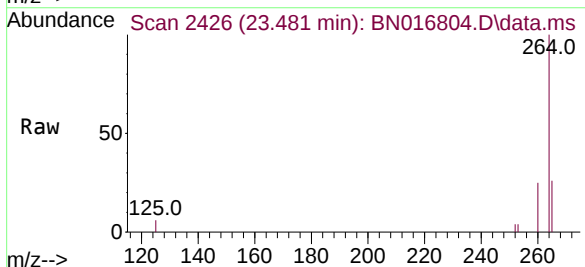
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

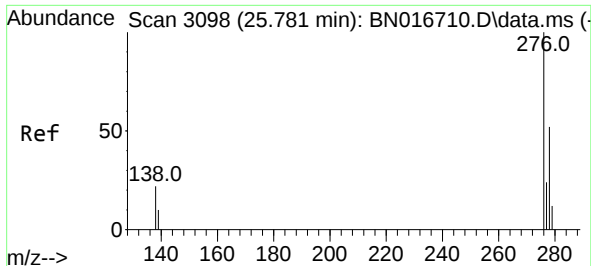
Tgt Ion:	149	Resp:	87789
Ion Ratio	Lower	Upper	
149	100		
167	28.0	22.2	33.4
279	4.8	3.4	5.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.481 min Scan# 2426
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

Tgt Ion:	264	Resp:	111867
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.8	29.6
265	26.1	20.3	30.5

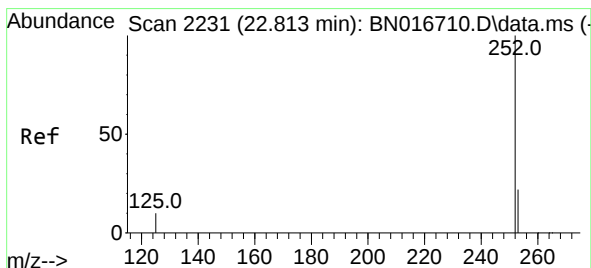
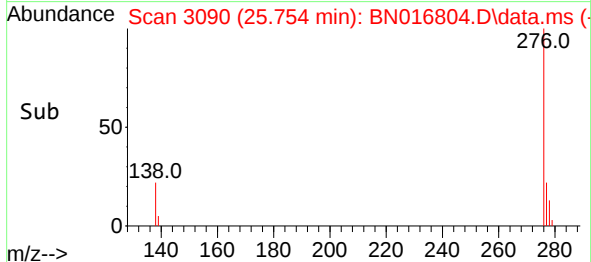
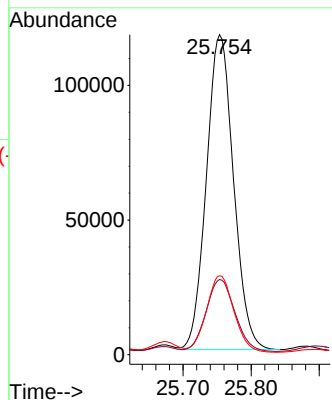
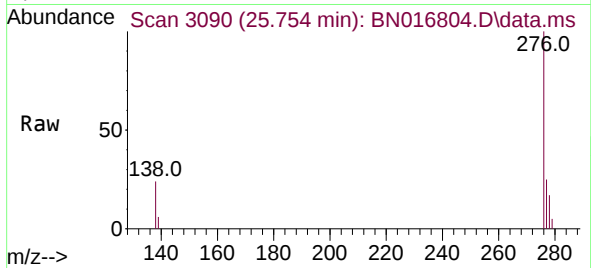




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.911 ng
RT: 25.754 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

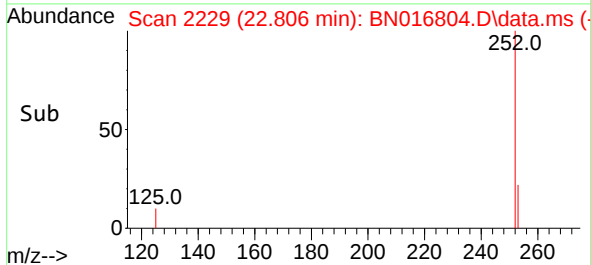
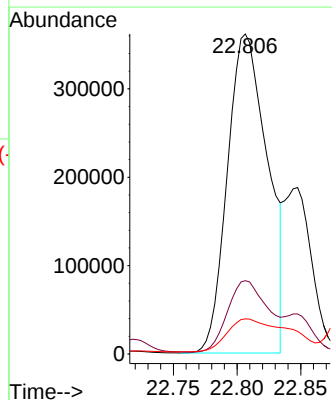
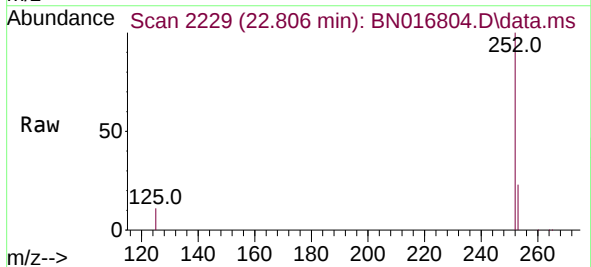
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

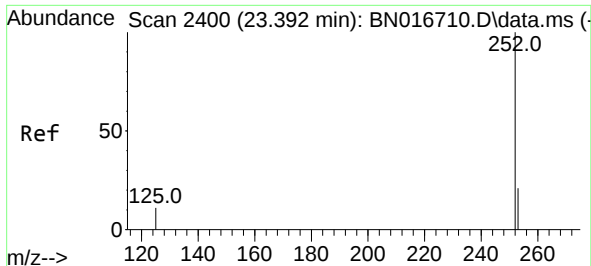
Tgt Ion:276 Resp: 323587
Ion Ratio Lower Upper
276 100
138 24.3 19.2 28.8
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 2.189 ng
RT: 22.806 min Scan# 2229
Delta R.T. 0.003 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:252 Resp: 791878
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.9 8.3 12.5





#39

Benzo(a)pyrene

Concen: 1.499 ng

RT: 23.378 min Scan# 2396

Delta R.T. -0.004 min

Lab File: BN016804.D

Acq: 07 Oct 2021 07:20

Instrument :

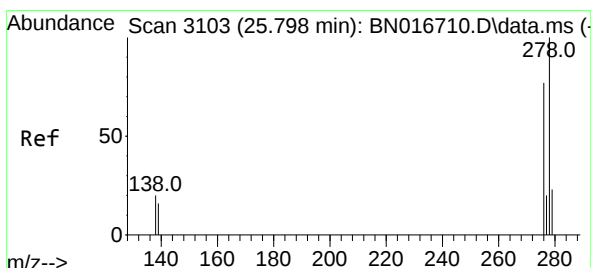
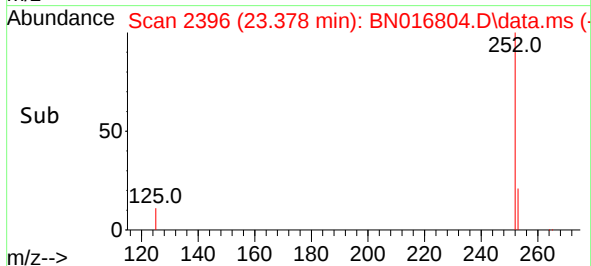
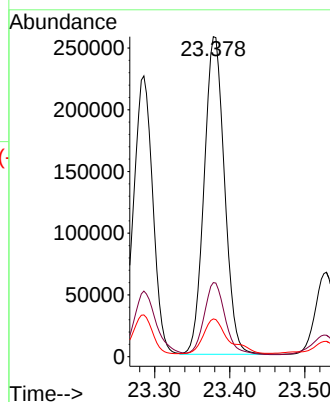
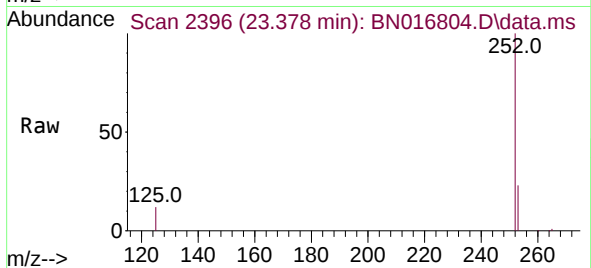
BNA_N

ClientSampleId :

S-817-N-SO-0-0.5-092421

Tgt Ion:252 Resp: 485210

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.8	9.4	14.2



#40

Dibenzo(a,h)anthracene

Concen: 0.269 ng

RT: 25.764 min Scan# 3093

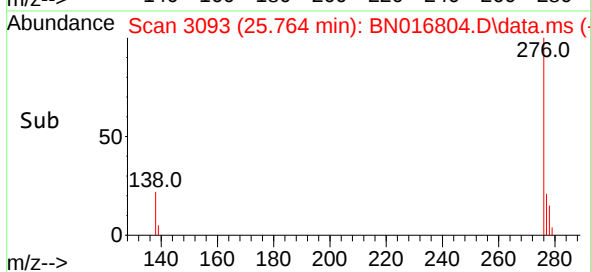
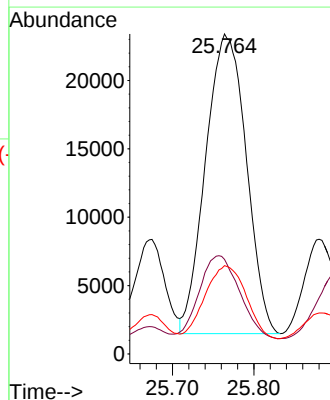
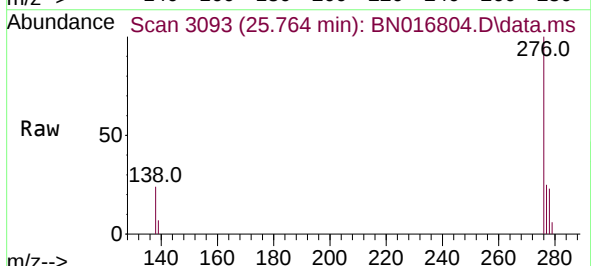
Delta R.T. -0.014 min

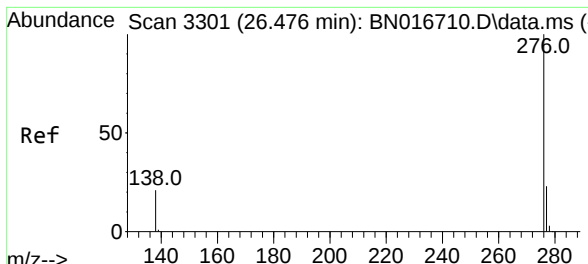
Lab File: BN016804.D

Acq: 07 Oct 2021 07:20

Tgt Ion:278 Resp: 75909

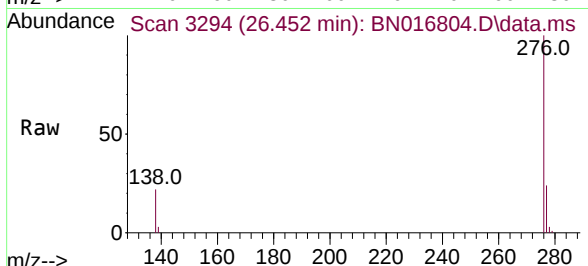
Ion	Ratio	Lower	Upper
278	100		
139	29.5	13.1	19.7#
279	27.6	19.3	28.9





#41
 Benzo(g,h,i)perylene
 Concen: 0.969 ng
 RT: 26.452 min Scan# 3294
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421



Tgt Ion:	276	Resp:	305435
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.0	28.4
138	22.3	17.0	25.6

